

MISSOURI STATE HEALTH PLAN

**Appendix
1979 EDITION**



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Statewide Health Coordinating Council
State Health Planning and Development Agency
Department of Social Services

APPENDIX A

CHAPTER 2

TABLE 1
POPULATION TRENDS

Area	1950	1960	1970	1980	1990
Missouri	3,954,653	4,319,813	4,676,501	4,883,000	5,288,500
HSA I	636,486	779,333	867,008	885,600	924,800
HSA II	984,947	992,998	1,025,543	1,109,500	1,206,100
HSA III	1,367,032	1,617,471	1,826,907	1,769,800	1,823,700
HSA IV	466,439	462,791	505,979	617,600	768,200
HSA V	499,749	467,220	451,064	500,500	565,700
Reference: 1, 2.					

TABLE 2
PERCENT CHANGE IN TOTAL POPULATION
1950-1990

Area	1950-60	1960-70	1970-80	1980-90
Missouri	9.2%	8.3%	4.4%	8.3%
HSA I	22.4%	11.2%	2.1%	4.4%
HSA II	0.8%	3.3%	8.2%	8.7%
HSA III	18.3%	12.9%	-3.1%	3.0%
HSA IV	-0.8%	9.3%	22.1%	24.4%
HSA V	-6.5%	-3.5%	11.0%	13.0%
References: 1, 2.				

TABLE 3
BIRTHS, DEATHS, AND NET MIGRATION

	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
1950 Census	3,954,653	636,486	984,947	1,367,032	466,439	499,749
Births 1950-1959	<u>933,014</u>	<u>173,035</u>	<u>182,684</u>	<u>378,795</u>	<u>88,911</u>	<u>109,589</u>
	4,887,667	809,521	1,167,631	1,745,827	555,350	609,338
Deaths 1950-1959	<u>449,784</u>	<u>74,374</u>	<u>120,824</u>	<u>156,375</u>	<u>50,658</u>	<u>47,553</u>
	4,437,883	735,147	1,046,807	1,589,452	504,692	561,785
1960 Census	<u>4,319,813</u>	<u>779,333</u>	<u>992,998</u>	<u>1,617,471</u>	<u>462,791</u>	<u>467,220</u>
Net Migration	-118,070	+44,186	-53,809	+28,019	-41,901	-94,565
Births 1960-1969	<u>854,304</u>	<u>170,993</u>	<u>161,357</u>	<u>356,792</u>	<u>79,250</u>	<u>85,912</u>
	5,174,117	950,326	1,154,355	1,974,263	542,041	553,132
Deaths 1960-1969	<u>501,465</u>	<u>83,004</u>	<u>129,529</u>	<u>174,802</u>	<u>59,273</u>	<u>54,857</u>
	4,672,652	867,322	1,024,826	1,799,461	482,768	498,275
1970 Census	<u>4,676,501</u>	<u>867,008</u>	<u>1,025,543</u>	<u>1,826,907</u>	<u>505,979</u>	<u>451,064</u>
Net Migration 1960-1969	+3,849	-314	+717	+27,446	+23,211	-47,211
Reference: 2.						

TABLE 4
POPULATION DENSITY - 1950

AREA	TOTAL POPULATION	LAND AREA SQUARE MILES	POPULATION PER SQUARE MILE
United States	N/A	N/A	42.6
Missouri	3,954,653	69,226	57.1
HSA I	636,486	2,702	235.6
HSA II	984,947	34,694	28.4
HSA III	1,367,032	2,718	503.0
HSA IV	466,439	14,635	31.9
HSA V	499,749	14,477	34.5

TABLE 5
POPULATION DENSITY - 1960

AREA	TOTAL POPULATION	LAND AREA SQUARE MILES	POPULATION PER SQUARE MILE
United States	N/A	N/A	50.6
Missouri	4,319,813	69,138	62.5
HSA I	779,333	2,708	287.8
HSA II	992,998	34,700	28.6
HSA III	1,617,471	2,718	595.1
HSA IV	462,791	14,541	31.8
HSA V	467,220	14,471	32.3

TABLE 6
POPULATION DENSITY - 1970

AREA	TOTAL POPULATION	LAND AREA SQUARE MILES	POPULATION PER SQUARE MILE
United States	N/A	N/A	57.5
Missouri	4,676,501	69,000	67.8
HSA I	867,008	2,713	319.6
HSA II	1,025,543	34,594	29.6
HSA III	1,826,907	2,713	673.4
HSA IV	505,979	14,494	34.9
HSA V	451,064	14,486	31.1

Reference: 2.

TABLE 7
POPULATION DISTRIBUTION - URBAN, RURAL, FARM - 1950

AREA	URBAN		RURAL		FARM	
	NUMBER	%	NUMBER	%	NUMBER	% OF RURAL
United States	N/A	64.0	N/A	36.0	N/A	42.5
Missouri	2,432,715	61.5	1,521,938	38.5	863,496	56.7
HSA I	539,960	84.8	96,526	15.2	37,002	38.3
HSA II	346,648	35.2	638,299	64.8	382,100	59.9
HSA III	1,245,142	91.1	121,890	8.9	37,832	31.0
HSA IV	161,820	34.7	304,619	65.3	194,400	63.8
HSA V	139,145	27.8	360,604	72.2	212,162	58.8

TABLE 8
POPULATION DISTRIBUTION - URBAN, RURAL, FARM - 1960

AREA	URBAN		RURAL		FARM	
	NUMBER	%	NUMBER	%	NUMBER	% OF RURAL
United States	N/A	69.9	N/A	30.1	N/A	25.0
Missouri	2,876,557	66.6	1,443,256	33.4	540,798	37.5
HSA I	623,585	80.0	155,748	20.0	25,304	16.2
HSA II	385,328	38.8	607,670	61.2	265,792	43.7
HSA III	1,464,890	90.6	152,581	9.4	19,359	12.7
HSA IV	187,812	40.6	274,979	59.4	109,419	39.8
HSA V	156,506	33.5	310,714	66.5	120,924	38.9

TABLE 9
POPULATION DISTRIBUTION - URBAN, RURAL, FARM - 1970

AREA	URBAN		RURAL		FARM	
	NUMBER	%	NUMBER	%	NUMBER	% OF RURAL
United States	N/A	73.5	N/A	26.5	N/A	15.4
Missouri	3,277,662	70.1	1,398,839	29.9	359,319	25.7
HSA I	775,024	89.4	91,984	10.6	17,934	19.5
HSA II	476,558	46.5	548,985	53.5	192,398	35.0
HSA III	1,620,070	88.7	206,837	11.3	13,226	6.4
HSA IV	224,119	44.3	281,860	55.7	77,356	27.4
HSA V	175,874	39.0	275,190	61.0	58,405	21.2

References: 2, 3.

TABLE 10
RACE DISTRIBUTION - 1950

Area	White		Non-White	
	Number	Percent	Number	Percent
United States	N/A	89.5	N/A	10.5
Missouri	3,655,593	92.4	299,060	7.6
HSA I	577,723	90.8	58,763	9.2
HSA II	953,364	96.8	31,583	3.2
HSA III	1,193,498	87.3	173,534	12.7
HSA IV	462,566	99.2	3,873	0.8
HSA V	468,442	93.7	31,307	6.3

TABLE 11
RACE DISTRIBUTION - 1960

Area	White		Non-White	
	Number	Percent	Number	Percent
United States	N/A	88.8	N/A	11.2
Missouri	3,922,967	90.8	396,846	9.2
HSA I	692,220	88.8	87,113	11.2
HSA II	958,756	96.5	34,242	3.5
HSA III	1,379,246	85.3	238,225	14.7
HSA IV	458,423	99.1	4,368	0.9
HSA V	434,322	93.0	32,898	7.0

TABLE 12
RACE DISTRIBUTION - 1970

Area	White		Non-White	
	Number	Percent	Number	Percent
United States	N/A	87.5	N/A	12.5
Missouri	4,177,495	89.3	499,006	10.7
HSA I	747,368	86.2	119,640	13.8
HSA II	987,364	96.3	38,179	3.7
HSA III	1,517,146	83.0	309,761	17.0
HSA IV	500,360	98.9	5,619	1.1
HSA V	425,269	94.3	25,795	5.7

Reference: 2.

TABLE 13
POPULATION DISTRIBUTION AS PERCENTAGE
OF STATE DISTRIBUTION BY RACE

AREA	1950	1960	1970
Missouri			
White Population	3,655,593 100.0%	3,922,967 100.0%	4,177,495 100.0%
Non-White Population	299,060 100.0%	396,846 100.0%	499,006 100.0%
Total Population	3,954,653 100.0%	4,319,813 100.0%	4,676,501 100.0%
HSA I			
White Pop., as % of State White Pop.	15.8%	17.6%	17.9%
Non-White Pop. as % of State NW Pop.	19.6	22.0	24.0
Total Pop., as % of Total State Pop.	16.1	18.0	18.5
HSA II			
White Pop., as % of State White Pop.	26.1%	24.4%	23.6%
Non-White Pop. as % of State NW Pop.	10.6	8.6	7.7
Total Pop., as % of Total State Pop.	24.9	23.0	21.9
HSA III			
White Pop., as % of State White Pop.	32.6%	35.2%	36.3%
Non-White Pop. as % of State NW Pop.	58.0	60.0	62.0
Total Pop., as % of Total State Pop.	34.6	37.5	39.1
HSA IV			
White Pop., as % of State White Pop.	12.7%	11.7%	12.0%
Non-White Pop. as % of State NW Pop.	1.3	1.1	1.1
Total Pop., as % of Total State Pop.	11.8	10.7	10.8
HSA V			
White Pop., as % of State White Pop.	12.8%	11.1%	10.2%
Non-White Pop. as % of State NW Pop.	10.5	8.3	5.2
Total Pop., as % of Total State Pop.	12.6	10.8	9.7

Reference: 2.

TABLE 14
POPULATION DISTRIBUTION BY AGE - 1950

AREA	TOTAL POPULATION	<15	15-24	25-44	45-64	65+	MEDIAN AGE
United States (in 000) Percent	150,697.4 100.0%	40,482.5 26.9%	22,098.4 14.7%	45,209.6 30.0%	30,637.3 20.3%	12,269.8 8.1%	30.2
Missouri Percent	3,954,653 100.0%	986,213 24.9%	552,864 14.0%	1,132,382 28.6%	875,806 22.2%	407,388 10.3%	32.5
HSA I Percent	636,486 100.0%	141,883 22.3%	85,307 13.4%	202,010 31.7%	146,946 23.1%	60,340 9.5%	33.5
HSA II Percent	984,947 100.0%	235,477 23.9%	136,789 13.9%	251,315 25.5%	227,549 23.1%	133,817 13.6%	34.5
HSA III Percent	1,367,032 100.0%	318,678 23.3%	188,457 13.8%	429,367 31.4%	311,524 22.8%	199,006 8.7%	33.0
HSA IV Percent	466,439 100.0%	127,248 27.3%	65,737 14.1%	122,252 26.2%	99,217 21.3%	51,985 11.1%	31.6
HSA V Percent	499,749 100.0%	162,927 32.6%	76,574 15.3%	127,439 25.5%	90,567 18.1%	42,242 8.5%	26.1
References: 2, 3.							

TABLE 15
POPULATION DISTRIBUTION BY AGE - 1960

AREA	TOTAL POPULATION	<15	15-24	25-44	45-64	65+	MEDIAN AGE
United States (in 000) Percent	179,323.2 100.0%	55,786.2 31.1%	24,020.0 13.4%	46,899.7 26.2%	36,057.7 20.1%	16,559.6 9.2%	29.2
Missouri Percent	4,319,813 100.0%	1,264,968 29.3%	560,651 13.0%	1,055,074 24.4%	935,709 21.7%	503,411 11.6%	31.6
HSA I Percent	779,333 100.0%	231,976 29.8%	95,150 12.2%	212,321 27.2%	161,169 20.7%	78,717 10.1%	31.0
HSA II Percent	992,998 100.0%	259,211 26.1%	147,330 14.8%	214,991 21.7%	221,326 22.3%	150,140 15.1%	34.1
HSA III Percent	1,617,471 100.0%	496,295 30.7%	192,130 11.9%	422,194 26.1%	351,235 21.7%	155,617 9.6%	31.0
HSA IV Percent	462,791 100.0%	128,662 27.8%	60,482 13.1%	104,688 22.6%	104,852 22.7%	64,107 13.8%	33.6
HSA V Percent	467,220 100.0%	148,824 31.9%	65,559 14.0%	100,880 21.6%	97,127 20.8%	54,830 11.7%	28.7
References: 2, 3.							

TABLE 16
POPULATION DISTRIBUTION BY AGE - 1970

AREA	TOTAL POPULATION	<15	15-24	25-44	45-64	65+	MEDIAN AGE
United States (in 000) Percent	203,211.9 100.0%	57,900.0 28.5%	35,441.4 17.4%	47,995.2 23.6%	41,809.8 20.6%	20,065.5 9.9%	28.1
Missouri Percent	4,676,501 100.0%	1,290,427 27.6%	784,350 16.8%	1,060,138 22.6%	980,930 21.0%	560,656 12.0%	29.5
HSA I Percent	867,008 100.0%	247,683 28.5%	141,049 16.3%	216,513 25.0%	173,564 20.0%	88,199 10.2%	28.5
HSA II Percent	1,025,543 100.0%	253,367 24.7%	193,673 18.9%	206,758 20.2%	217,347 21.2%	154,398 15.0%	32.1
HSA III Percent	1,826,907 100.0%	535,552 29.3%	294,841 16.1%	436,114 23.9%	377,165 20.7%	183,235 10.0%	28.4
HSA IV Percent	505,979 100.0%	128,906 25.5%	81,325 16.1%	108,416 21.4%	113,926 22.5%	73,406 14.5%	32.7
HSA V Percent	451,064 100.0%	124,919 27.7%	73,462 16.3%	92,337 20.5%	98,927 21.9%	61,419 13.6%	30.5
References: 2, 3.							

TABLE 17
DEPENDENCY

AREA	YOUTH RATIO			AGED RATIO			COMBINED RATIO		
	1950	1960	1970	1950	1960	1970	1950	1960	1970
United States	51.0	65.1	61.4	13.4	16.8	17.7	64.4	81.9	79.0
Missouri	47.9	61.9	60.6	17.0	21.4	21.9	64.9	83.3	82.5
HSA I	39.4	59.6	60.9	14.6	17.9	18.2	54.0	77.6	79.1
HSA II	48.6	57.1	54.6	23.4	28.0	27.4	71.9	85.1	82.0
HSA III	41.7	62.4	64.1	13.5	17.3	18.3	55.3	79.7	82.4
HSA IV	56.8	62.0	56.5	19.7	26.1	26.6	76.5	88.1	83.0
HSA V	71.4	75.0	64.3	15.8	23.3	25.9	87.2	98.2	90.1
Reference: 2.									

TABLE 18
POPULATION DISTRIBUTION OF PERSONS <18 AND 65+
AS PERCENTAGE OF STATE DISTRIBUTION

AREA	1950	1960	1970
Missouri			
Population <18	1,149,500 100.0%	1,459,121 100.0%	1,552,872 100.0%
Population 65+	407,388 100.0%	503,411 100.0%	560,656 100.0%
Total Population	3,954,653 100.0%	4,319,843 100.0%	4,676,501 100.0%
HSA I			
Pop. <18, as % of State Pop. <18	14.2%	17.9%	19.0%
Pop. 65+ as % of State Pop. 65+	14.8	15.7	15.7
Total Pop. as % of Total State Pop.	16.1	18.0	18.5
HSA II			
Pop. <18 as % of State Pop. <18	24.2%	21.0%	19.8%
Pop. 65+ as % of State Pop. 65+	32.9	29.8	27.5
Total Pop. as % of Total State Pop.	24.9	23.0	21.9
HSA III			
Pop. <18 as % of State Pop. <18	31.9%	38.5%	41.3%
Pop. 65+ as % of State Pop. 65+	29.1	30.9	32.7
Total Pop. as % of Total State Pop.	34.6	37.5	39.1
HSA IV			
Pop. <18 as % of State Pop. <18	13.1%	10.5%	10.1%
Pop. 65+ as % of State Pop. 65+	12.8	12.7	13.1
Total Pop. as % of Total State Pop.	11.8	10.7	10.8
HSA V			
Pop. <18 as % of State Pop. <18	16.6%	12.1%	9.8%
Pop. 65+ as % of State Pop. 65+	10.4	10.9	11.0
Total Pop. as % of Total State Pop.	12.6	10.8	9.7
Reference: 2.			

TABLE 19
EDUCATION - 1950

Years of School Completed (Persons 25+)	United States (in 000)	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Less Than 12 Years Percent	56,003.9 63.9%	1,613,510 67.1%	217,165 53.3%	419,415 68.8%	573,060 67.0%	194,985 71.7%	208,885 80.3%
12 Years (H.S. Graduate) Percent	17,690.9 20.2%	437,055 18.2%	109,250 26.8%	109,255 17.9%	144,470 16.9%	46,190 17.0%	27,890 10.7%
1-3 Years College Percent	6,261.6 7.2%	159,400 6.6%	40,335 9.9%	41,825 6.8%	49,090 5.7%	17,270 6.4%	10,880 4.2%
4 or More Years College Percent	5,284.4 6.0%	119,435 5.0%	27,070 6.6%	26,110 4.3%	50,100 5.9%	9,435 3.5%	6,720 2.6%
Not Reported Percent	2,329.7 2.7%	74,775 3.1%	13,495 3.4%	13,205 2.2%	38,590 4.5%	3,740 1.4%	5,745 2.2%
Total Percent	87,570.5 100.0%	2,404,175 100.0%	407,315 100.0%	609,810 100.0%	855,310 100.0%	271,620 100.0%	260,120 100.0%
Median School Years Completed	9.3	8.9	11.1	9.1	9.1	8.9	8.1
Reference: 2.							

TABLE 20
EDUCATION - 1960

Years of School Completed (Persons 25+)	United States (in 000)	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Less Than 12 Years Percent	58,615.2 58.9%	1,580,327 63.4%	235,386 52.0%	373,626 63.8%	595,378 64.1%	189,249 67.3%	194,688 77.0%
12 Years (H.S. Graduate) Percent	24,455.5 24.6%	563,329 22.6%	134,145 29.7%	136,493 23.3%	196,372 21.1%	58,757 20.9%	37,562 14.9%
1-3 Years of College Percent	8,742.1 8.8%	193,500 7.8%	49,541 11.0%	44,592 7.6%	67,367 7.3%	20,769 7.4%	11,231 4.4%
4 or More Years of College Percent	7,625.3 7.7%	155,398 6.2%	33,250 7.3%	30,893 5.3%	69,258 7.5%	12,538 4.4%	9,459 3.7%
Total Percent	99,428.1 100.0%	2,492,554 100%	452,322 100%	585,604 100%	928,375 100%	281,313 100%	252,940 100%
Median School Years Completed	10.6	9.6	11.6	9.7	10.0	9.5	8.3
Reference: 2.							

TABLE 21
EDUCATION - 1970

Years of School Completed (Persons 25+)	United States (in 000)	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Less Than 12 Years Percent	52,373.3 47.6%	1,332,385 51.2%	201,772 42.1%	296,064 51.2%	509,568 51.1%	157,195 53.1%	167,786 66.4%
12 Years (H.S. Graduate) Percent	34,158.1 31.1%	795,144 30.5%	175,484 36.7%	185,141 32.0%	286,322 28.7%	91,303 30.9%	56,894 22.5%
1-3 Years of College Percent	11,650.7 10.6%	241,285 9.3%	55,970 11.7%	51,821 9.0%	91,609 9.2%	28,020 9.5%	13,865 5.5%
4 or More Years of College Percent	11,717.3 10.7%	233,465 9.0%	45,319 9.5%	45,152 7.8%	109,620 11.0%	19,278 6.5%	14,096 5.6%
Total Percent	109,899.4 100.0%	2,602,279 100%	478,545 100%	578,178 100%	997,119 100%	295,796 100%	252,641 100%
Median School Years Completed	12.1	11.8	12.2	11.3	11.0	11.1	9.4
Reference: 2.							

TABLE 22
HOUSEHOLD COMPOSITION AND CHARACTERISTICS - 1950

	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Population in Households	3,813,053	609,995	946,035	1,303,690	459,536	492,797
Number of Households	1,198,175	204,900	309,251	403,200	144,928	136,696
Population Per Household	3.18	2.98	3.06	3.24	3.17	3.61
Husband-Wife Households	907,625	151,995	232,725	303,980	111,745	107,180
Households Owner Occupied	57.7%	54.7%	66.0%	48.8%	70.1%	57.0%
Households Renter Occupied	42.3%	45.3%	34.0%	51.2%	29.9%	43.0%
Median Number of Rooms	4.3	4.6	4.5	4.2	3.9	4.2
Reference: 2.						

TABLE 23
HOUSEHOLD COMPOSITION AND CHARACTERISTICS - 1960

Population in	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Population in Households	4,202,858	767,111	936,175	1,584,085	455,384	460,103
Number of Households	1,360,054	256,586	318,030	493,776	152,721	138,941
Population Per Household	3.10	2.99	2.94	3.21	2.98	3.31
Husband-Wife Households	987,323	180,118	233,403	357,381	112,876	103,545
Households Owner Occupied	64.3%	61.6%	69.9%	59.3%	73.7%	63.5%
Households Renter Occupied	35.7%	38.4%	30.1%	40.7%	26.3%	36.5%
Median Number of Rooms	4.6	4.8	4.9	4.4	4.6	4.5
Reference: 2.						

TABLE 24
HOUSEHOLD COMPOSITION AND CHARACTERISTICS - 1970

	Missouri	HSA I	HSA II	HSA III	HSA IV	HSA V
Population in Households	4,540,036	852,737	957,317	1,794,026	493,721	442,162
Number of Households	1,520,567	290,047	337,816	571,299	174,513	146,892
Population Per Household	2.98	2.94	2.83	3.14	2.83	3.01
Husband-Wife Households	1,050,434	194,321	237,188	391,529	124,368	103,478
Households Owner Occupied	67.2%	63.5%	71.6%	63.0%	74.5%	69.9%
Households Renter Occupied	32.8%	36.5%	28.4%	37.0%	25.5%	30.1%
Median Number of Rooms	4.8	5.0	4.9	4.7	4.8	4.7
Reference: 2,						

TABLE 25
UNEMPLOYMENT

Area	1950	1960	1970
United States (1,000)			
Total Civilian Work Force	59,072	68,144	80,943
Number Unemployed	2,832	3,505	3,589
Percent Unemployed	4.8	5.1	4.4
Missouri			
Total Civilian Work Force	1,574,167	1,639,974	1,845,402
Number Unemployed	52,350	67,527	78,092
Percent Unemployed	3.3	4.1	4.2
HSA I			
Total Civilian Work Force	279,569	323,464	376,275
Number Unemployed	8,827	14,230	13,139
Percent Unemployed	3.2	4.4	3.5
HSA II			
Total Civilian Work Force	374,931	359,111	382,282
Number Unemployed	8,986	12,767	13,287
Percent Unemployed	2.4	3.6	3.5
HSA III			
Total Civilian Work Force	583,929	639,928	743,416
Number Unemployed	21,573	26,125	34,628
Percent Unemployed	3.7	4.1	4.7
HSA IV			
Total Civilian Work Force	169,012	167,974	189,836
Number Unemployed	4,848	7,151	8,522
Percent Unemployed	2.9	4.3	4.5
HSA V			
Total Civilian Work Force	166,726	149,497	153,593
Number Unemployed	8,116	7,254	8,516
Percent Unemployed	4.9	4.9	5.5
Reference: 2,4.			

TABLE 26
LABOR DISTRIBUTION BY MAJOR CATEGORIES - 1950
NUMBER OF PERSONS EMPLOYED AND PERCENT OF TOTAL

OCCUPATION	UNITED STATES (in 000)	MISSOURI	HSA I	HSA II	HSA III	HSA IV	HSA V
Agriculture, Forestry Fisheries Percent	7,033.6 12.5%	267,860 17.6%	11,834 4.4%	128,873 35.2%	11,740 2.1%	55,513 33.8%	59,900 37.8%
Mineral Extraction Percent	931.0 1.6%	9,532 0.6%	599 0.2%	2,605 0.7%	799 0.1%	1,030 0.6%	4,504 2.8%
Construction Percent	3,458.0 6.1%	84,447 5.6%	17,260 6.4%	20,131 5.5%	29,623 5.3%	9,001 5.5%	8,432 5.3%
Manufacturing Percent	14,685.5 26.0%	363,824 23.9%	65,706 24.3%	51,567 14.1%	195,790 34.8%	23,528 14.3%	27,228 17.2%
Wholesale Trade Percent	1,965.0 3.5%	61,992 4.1%	14,424 5.3%	10,185 2.8%	28,562 5.1%	5,876 3.6%	2,945 1.8%
Retail Trade Percent	8,542.3 15.1%	236,269 15.5%	51,569 19.0%	49,946 13.7%	89,053 15.8%	24,888 15.2%	20,813 13.1%
Selected Services Percent	10,092.6 17.9%	252,422 16.6%	50,744 18.7%	56,945 15.6%	99,838 17.8%	24,812 15.1%	20,083 12.7%
Communications Percent	710.5 1.3%	17,444 1.1%	3,969 1.5%	3,403 0.9%	7,633 1.4%	1,438 0.9%	1,001 0.6%
Transportation & Utilities Percent	3,739.3 6.6%	117,208 7.7%	26,738 9.9%	23,922 6.5%	47,169 8.4%	11,159 6.8%	8,220 5.2%
Finance, Insurance & Real Estate Percent	1,919.6 3.4%	50,489 3.3%	14,580 5.4%	6,627 1.8%	24,358 4.3%	3,051 1.9%	1,873 1.2%
Public Administration Percent	2,514.5 4.5%	60,330 4.0%	13,319 4.9%	11,741 3.2%	27,791 4.9%	3,868 2.3%	3,611 2.3%
All Occupations Percent	55,591.9 98.5%*	1,521,817 100%	270,742 100%	365,945 100%	562,356 100%	164,164 100%	158,610 100%

Reference: 2, 4.

* 1.5 Percent Not Reported

TABLE 27
LABOR DISTRIBUTION BY MAJOR CATEGORIES - 1960
NUMBER OF PERSONS EMPLOYED AND PERCENT OF TOTAL

OCCUPATION	UNITED STATES (in 000)	MISSOURI	HSA I	HSA II	HSA III	HSA IV	HSA V
Agriculture, Forestry Fisheries Percent	4,349.9 6.7%	150,022 9.5%	7,340 2.4%	77,798 22.5%	7,270 1.2%	26,516 16.5%	31,098 21.9%
Mineral Extraction Percent	654.0 1.0%	7,682 0.5%	597 0.2%	1,341 0.5%	1,019 0.2%	520 0.3%	3,705 2.6%
Construction Percent	3,815.9 5.9%	86,166 5.5%	15,983 5.2%	20,918 6.1%	30,459 5.0%	10,508 6.5%	8,298 5.8%
Manufacturing Percent	17,513.1 27.1%	466,818 29.7%	95,712 31.0%	65,257 18.9%	234,367 38.2%	39,392 24.5%	32,100 22.6%
Wholesale Trade Percent	2,213.0 3.4%	57,732 3.7%	14,367 4.6%	9,090 2.6%	25,209 4.1%	5,714 3.6%	3,352 2.3%
Retail Trade Percent	9,579.7 14.8%	240,253 15.3%	49,338 16.0%	54,458 15.7%	86,718 14.1%	27,354 17.0%	22,385 15.7%
Selected Services Percent	13,549.8 21.0%	303,577 19.3%	60,734 19.6%	68,470 19.8%	120,470 19.6%	29,449 18.3%	24,444 17.2%
Communications Percent	819.7 1.3%	19,971 1.3%	4,675 1.5%	3,834 1.1%	8,486 1.4%	1,599 1.0%	1,377 1.0%
Transportation & Utilities Percent	3,638.5 5.6%	105,191 6.7%	26,294 8.5%	19,811 5.7%	41,510 6.8%	9,848 6.1%	7,728 5.4%
Finance, Insurance & Real Estate Percent	2,694.6 4.2%	64,287 4.1%	17,421 5.6%	9,690 2.8%	29,721 4.8%	4,631 2.9%	2,824 2.0%
Public Administation Percent	3,202.9 5.0%	70,201 4.4%	16,670 5.4%	14,792 4.3%	28,527 4.6%	5,280 3.3%	4,932 3.5%
All Occupations Percent	62,031.1 96.0%*	1,571,900 100%	309,131 100%	345,959 100%	613,756 100%	160,811 100%	142,243 100%

Reference: 2, 4.
*4.0 Percent Not Reported

TABLE 28
LABOR DISTRIBUTION BY MAJOR CATEGORIES - 1970
NUMBER OF PERSONS EMPLOYED AND PERCENT OF TOTAL

OCCUPATION	UNITED STATES (in 000)	MISSOURI	HSA I	HSA II	HSA III	HSA IV	HSA V
Agriculture, Forestry Fisheries Percent	2,840.5 3.7%	89,564 5.1%	5,848 1.6%	49,185 13.3%	6,384 0.9%	14,377 7.9%	13,770 9.5%
Mineral Extraction Percent	630.8 0.8%	10,462 0.6%	873 0.3%	2,234 0.6%	2,080 0.3%	697 0.4%	4,578 3.1%
Construction Percent	4,572.2 6.0%	103,672 5.9%	20,731 5.7%	25,068 6.8%	35,095 4.9%	12,018 6.6%	10,760 7.4%
Manufacturing Percent	19,837.2 25.9%	430,874 24.4%	85,799 23.6%	65,317 17.7%	202,915 28.6%	44,366 24.5%	32,477 22.4%
Wholesale Trade Percent	3,133.4 4.1%	87,147 4.9%	21,581 6.0%	10,864 2.9%	42,231 6.0%	8,028 4.4%	4,443 3.1%
Retail Trade Percent	12,239.5 16.0%	293,553 16.6%	61,042 16.8%	62,390 16.9%	112,389 15.9%	32,092 17.7%	25,640 17.7%
Selected Services Percent	20,073.9 26.2%	445,989 25.2%	86,719 23.9%	100,200 27.2%	179,623 25.3%	44,159 24.3%	35,288 24.3%
Communications Percent	1,073.7 1.4%	22,958 1.3%	5,147 1.4%	3,961 1.1%	10,397 1.5%	1,969 1.1%	1,484 1.0%
Transportation & Utilities Percent	4,112.4 5.4%	108,496 6.1%	29,812 8.2%	18,954 5.1%	41,724 5.9%	10,800 6.0%	7,206 5.0%
Finance, Insurance & Real Estate Percent	3,838.4 5.0%	82,129 4.7%	21,893 6.0%	12,942 3.5%	36,755 5.2%	6,442 3.6%	4,097 2.8%
Public Administration Percent	4,201.6 5.5%	92,466 5.2%	23,691 6.5%	17,880 4.9%	39,195 5.5%	6,366 3.5%	5,334 3.7%
All Occupations Percent	76,553.6 100%	1,767,310 100%	363,136 100%	368,995 100%	708,788 100%	181,314 100%	145,077 100%
Reference: 2, 4.							

TABLE 29
PERSONAL INCOME PATTERNS AND TRENDS

AREA	1950	1960	1970
United States			
Per Capita Income	\$1,491	\$2,135	\$3,687
Median Family Income	3,073	5,663	9,433
Missouri			
Per Capita Income	1,443	2,115	2,983
Median Family Income	2,647	5,127	8,914
HSA I			
Per Capita Income	1,893	2,660	3,348
Median Family Income	3,434	6,008	10,197
HSA II			
Per Capita Income	1,156	1,689	2,512
Median Family Income	2,078	3,932	7,217
HSA III			
Per Capita Income	1,799	2,626	3,438
Median Family Income	3,585	6,298	10,691
HSA IV			
Per Capita Income	946	1,544	2,516
Median Family Income	1,834	3,654	6,670
HSA V			
Per Capita Income	892	1,368	2,150
Median Family Income	1,736	3,301	6,225
Reference: 2.			

TABLE 30
POVERTY STATUS - 1970

AREA	TOTAL NUMBER OF FAMILIES	FAMILIES WITH INCOME LESS THAN POVERTY LEVEL		FAMILIES WITH INCOME LESS THAN 75% OF POVERTY LEVEL		FAMILIES WITH INCOME LESS THAN 125% OF POVERTY LEVEL	
		NUMBER	%	NUMBER	%	NUMBER	%
United States	N/A	N/A	10.7	N/A	7.0	N/A	15.0
Missouri	1,204,751	138,795	11.5	87,875	7.3	200,213	16.6
HSA I	223,399	16,499	7.4	11,060	5.0	23,911	10.7
HSA II	263,992	37,097	14.1	22,320	8.5	55,095	20.9
HSA III	459,303	34,692	7.6	23,330	5.1	49,402	10.8
HSA IV	139,091	24,138	17.4	14,765	10.6	34,921	25.1
HSA V	118,966	26,369	22.2	16,400	13.8	36,884	31.0

Reference: 4.

TABLE 31
WELFARE, AS PERCENTAGE OF
TOTAL STATE WELFARE DOLLARS AND NUMBER OF RECIPIENTS

<u>AREA</u>	<u>1950</u>	<u>1960</u>	<u>1970</u>
Missouri			
Total Amt. of Welfare in \$	\$93,753,217 100.0%	\$131,626,848 100.0%	\$234,943,012 100.0%
Total No. of Welfare Recipients	216,533 100.0%	236,990 100.0%	295,723 100.0%
Total Population	3,954,653 100.0%	4,319,843 100.0%	4,676,501 100.0%
HSA I			
Percentage of Welfare \$	12.2%	11.0%	12.9%
Percentage of Welfare Recipients	11.8	11.6	14.3
Percentage of State Population	16.1	18.0	18.5
HSA II			
Percentage of Welfare \$	31.7%	28.0%	20.8%
Percentage of Welfare Recipients	29.7	24.8	18.1
Percentage of State Population	24.9	23.0	21.9
HSA III			
Percentage of Welfare \$	20.6%	21.9%	32.5%
Percentage of Welfare Recipients	22.2	25.3	36.7
Percentage of State Population	34.6	37.5	39.1
HSA IV			
Percentage of Welfare \$	17.9%	18.2%	14.7%
Percentage of Welfare Recipients	17.7	16.8	12.5
Percentage of State Population	11.8	10.7	10.8
HSA V			
Percentage of Welfare \$	17.6%	20.9%	19.1%
Percentage of Welfare Recipients	18.6	21.5	18.4
Percentage of State Population	12.6	10.8	9.7

Reference: 4.

TABLE 32

SUBSTANDARD HOUSING - 1970

AREA	TOTAL YEAR- ROUND HOUSING UNITS	NUMBER LACKING SOME OR ALL PLUMBING FACILITIES	PERCENT LACKING SOME OR ALL PLUMBING FACILITIES
United States	N/A	N/A	6.9%
Missouri	1,665,754	150,708	9.0%
HSA I	311,372	11,214	3.6%
HSA II	384,804	55,344	14.4%
HSA III	610,554	25,425	4.2%
HSA IV	192,361	24,950	13.0%
HSA V	166,663	33,775	20.3%

Reference: 5.

TABLE 33
OVERCROWDING - 1950

AREA	TOTAL OCCUPIED HOUSING UNITS	NUMBER WITH ≥ 1.01 PERSONS PER ROOM	PERCENT WITH ≥ 1.01 PERSONS PER ROOM
United States	N/A	N/A	15.5%
Missouri	1,197,867	197,396	16.5%
HSA I	204,525	26,593	13.0%
HSA II	308,923	39,085	12.7%
HSA III	402,936	72,987	18.1%
HSA IV	144,737	24,637	17.0%
HSA V	136,476	34,094	25.0%

TABLE 34
OVERCROWDING - 1960

AREA	TOTAL OCCUPIED HOUSING UNITS	NUMBER WITH ≥ 1.01 PERSONS PER ROOM	PERCENT WITH ≥ 1.01 PERSONS PER ROOM
United States	N/A	N/A	11.5%
Missouri	1,360,054	161,096	11.8%
HSA I	256,586	23,826	9.3%
HSA II	318,030	30,139	9.5%
HSA III	493,776	67,551	13.7%
HSA IV	152,721	16,593	10.9%
HSA V	138,941	22,987	16.5%

TABLE 35
OVERCROWDING - 1970

AREA	TOTAL OCCUPIED HOUSING UNITS	NUMBER WITH ≥ 1.01 PERSONS PER ROOM	PERCENT WITH ≥ 1.01 PERSONS PER ROOM
United States	N/A	N/A	8.2%
Missouri	1,520,597	121,415	8.0%
HSA I	290,047	17,292	6.0%
HSA II	337,846	22,159	6.6%
HSA III	571,299	54,482	9.5%
HSA IV	174,513	12,942	7.4%
HSA V	146,892	14,540	9.9%

Reference: 5.

TABLE 36

LIVE BIRTHS: UNITED STATES AND MISSOURI. -- 1910 TO 1975.

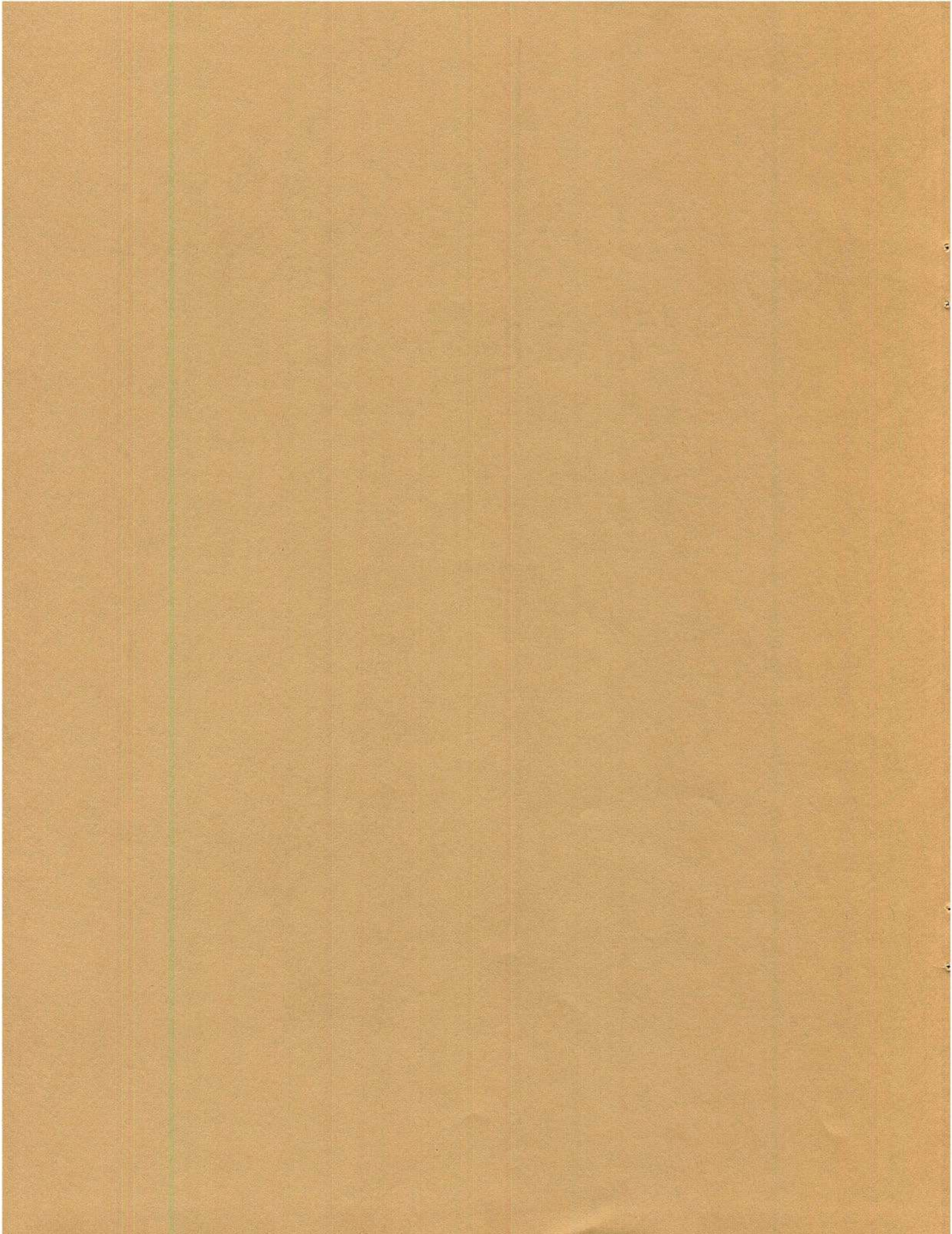
Year	United States		Missouri	
	Number (1,000)	Rate	Number	Rate
1910	2,777	30.1	N/A	N/A
1915	2,965	29.5	71,543	20.5
1920	2,950	27.7	65,416	19.2
1925	2,909	25.1	68,293	19.4
1930	2,618	21.3	62,011	17.0
1935	2,377	18.7	57,299	15.1
1940	2,559	19.4	61,479	16.5
1945	2,858	20.4	65,691	18.7
1950	3,632	24.1	85,704	21.6
1955	4,104	25.0	93,797	22.7
1960	4,258	23.7	97,723	22.6
1961	4,268	23.3	97,321	22.4
1962	4,167	22.4	93,879	21.5
1963	4,098	21.7	90,363	20.6
1964	4,027	21.0	88,335	19.9
1965	3,760	19.4	81,216	18.2
1966	3,606	18.4	77,946	17.2
1967	3,521	17.8	74,823	16.5
1968	3,502	17.5	74,304	16.3
1969	3,600	17.8	78,396	16.9
1970	3,731	18.4	80,707	17.2
1971	3,559	17.3	78,375	16.6
1972	3,256	15.6	72,597	15.3
1973	3,137	14.9	68,605	14.4
1974	3,160	14.9	69,412	14.5
1975	3,149	14.8	68,442	14.4

Source: U. S. Center for Health Statistics, Vital Statistics of the United States, Annual.

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2. Profiles of Missouri's Regional Planning Commissions, Extension Division, University of Missouri - Columbia, Hugh Denny, Editor, 1973.
3. Censuses of Population, U.S. Bureau of Census, 1950-1970.
4. Censuses of Social and Economic Characteristics, U.S. Bureau of Census, 1950-1970.
5. Census of Housing, U.S. Bureau of Census, 1950-1970.

CHAPTER 3



HEALTH STATUS: SECTION 3.2

TABLE 1
COMPOSITE ESTIMATES OF PERCENT PERSONS WITH LIMITATION OF ACTIVITY DUE TO CHRONIC CONDITIONS
BY DEGREE OF LIMITATION AND SELECTED CHARACTERISTICS:
UNITED STATES, NORTH CENTRAL REGION, AND MISSOURI
1974-1976

Area and Characteristic	Not Limited In Activity	Limited In Activity	Limited In Amount Of Kind Of Major Activity	Unable To Carry On Major Activity
Total U.S. %	85.7%	14.3%	7.3%	3.4%
Total North Central Region %	86.4%	13.6%	7.3%	2.8%
Total Missouri %	83.0%	17.0%	9.0%	4.0%
U.S. SEX				
Male	85.7%	14.3%	5.5%	5.2%
Female	85.8%	14.2%	8.9%	1.8%
North Central Region SEX				
Male	86.4%	13.6%	7.3%	2.8%
Female	86.4%	13.6%	8.8%	1.3%
Missouri SEX				
Male	83.0%	17.0%	7.0%	6.0%
Female	84.0%	16.0%	11.0%	2.0%
U.S. COLOR				
White	85.7%	14.3%	7.3%	3.3%
All Other	85.8%	14.2%	7.4%	4.2%
North Central Region COLOR				
White	86.2%	13.8%	7.3%	2.7%
All Other	87.7%	12.3%	6.8%	3.8%
Missouri COLOR				
White	83.0%	17.0%	9.0%	4.0%
All Other	87.0%	13.0%	7.0%	4.0%

Source: National Center for Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States 1974-1976. Derived from Health Interview Survey, DHEW Publication No. 78-1241 (Hyattsville, Md., 1978) p. 4 & 24.

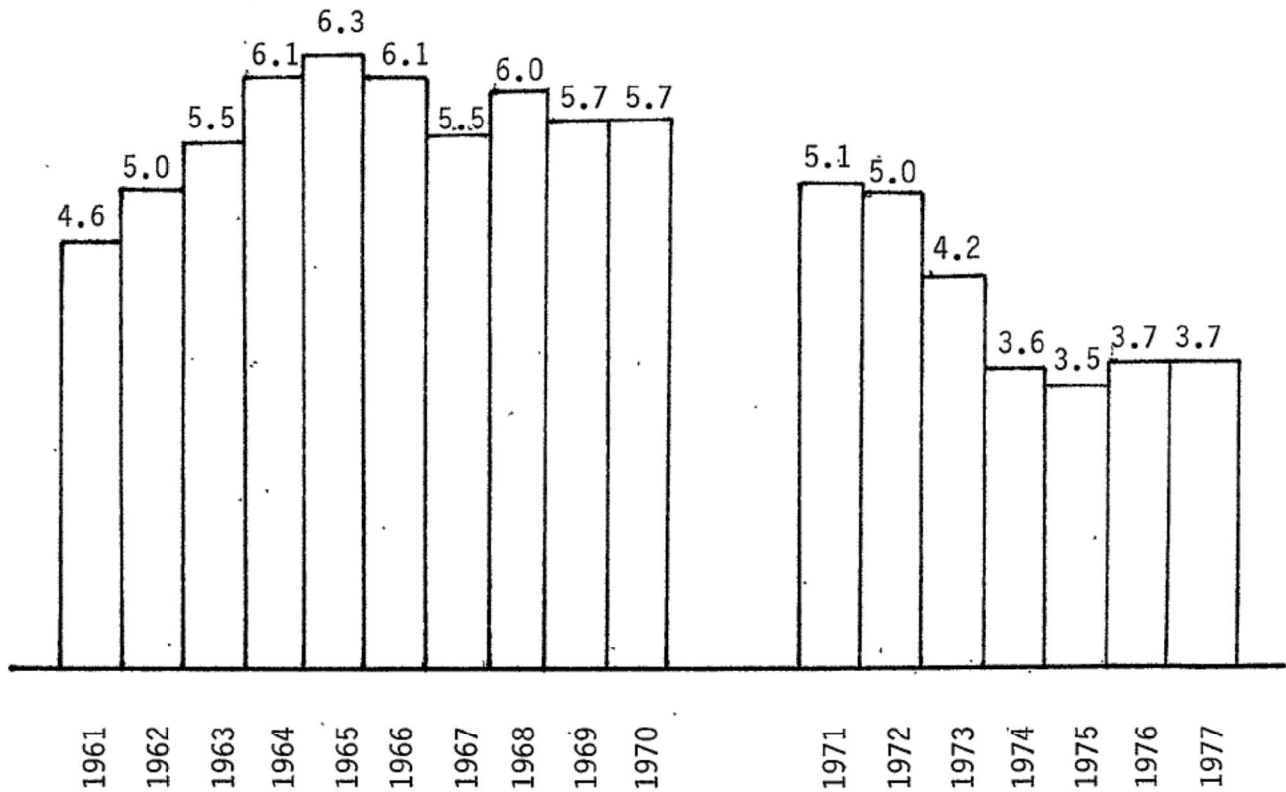
TABLE 2
 Number and Percentage of Dental Visits Per Person Per Year
 By Selected Characteristics:
 U.S., North Central Region, Missouri, 1974-1976

Area and Characteristics	Dental Visits	
	Number of visits per person per year	Percent of per- sons with visit in a year
U.S. Total	1.6	49.5%
North Central Region Total	1.6	51.6%
Missouri Total	1	44.0%
U.S. SEX		
Male	1.5	47.6%
Female	1.8	51.2%
North Central Region SEX		
Male	1.5	49.9%
Female	1.7	53.3%
Missouri SEX		
Male	1	43.0%
Female	1	47.0%
U.S. COLOR		
White	1.7	51.6%
All Others	1.0	35.3%
North Central Region COLOR		
White	1.7	53.1%
All Others	1.1	37.4%
Missouri COLOR		
White	1	45.0%
All Others	1	35.0%

Source: National Center For Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States, 1974-1976.
 Derived from Health Interview Survey, DHEW Publication No. 78-1241
 (Hyattsville, Md., 1978) p. 11-59.

FIGURE 1

Missouri's Traffic Fatality Rate
(Per 100 Million Miles of Travel)

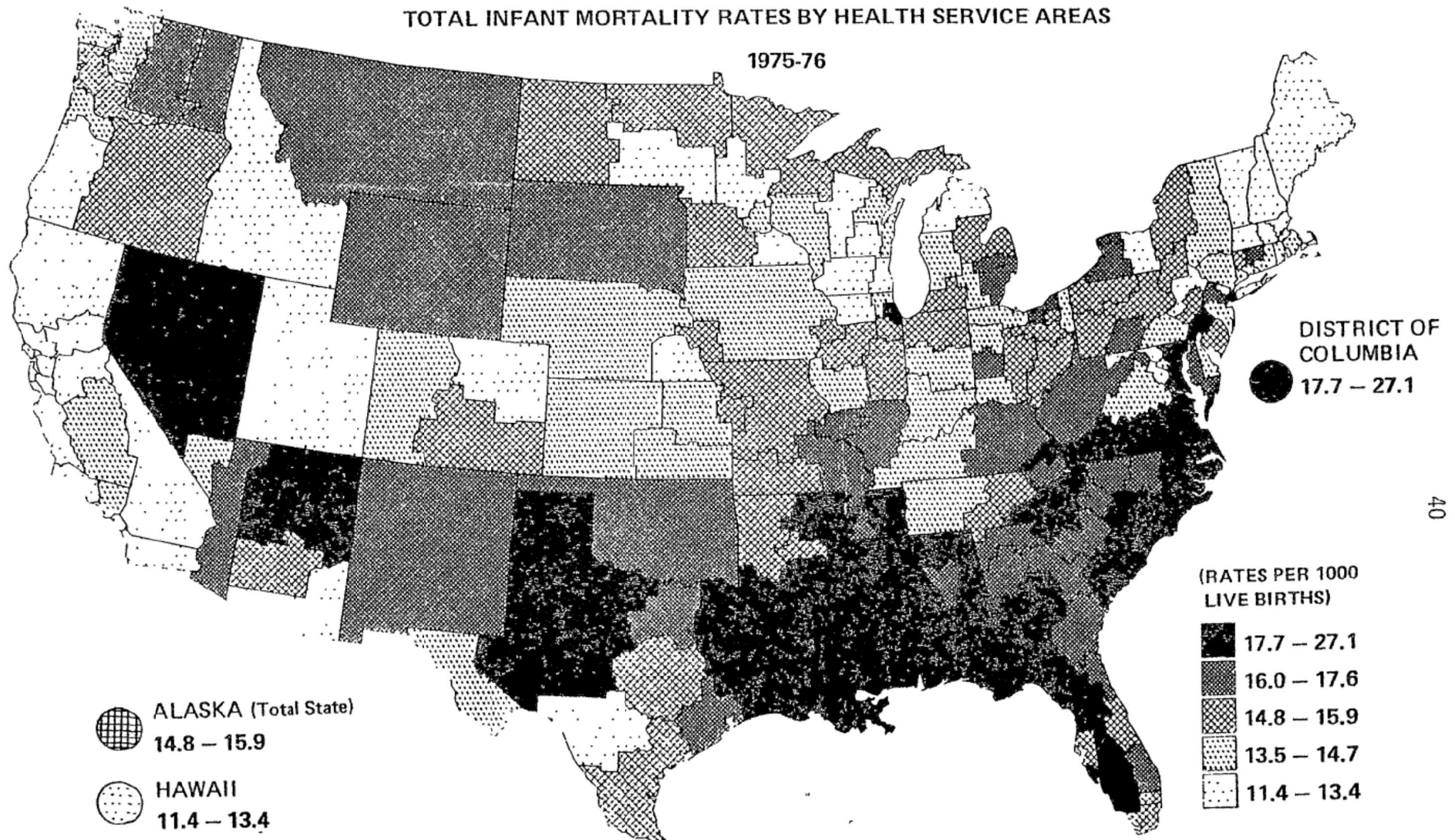


Source: Department of Public Safety, 1978 Edition Missouri Traffic Crashes,
Missouri State Highway Patrol (Jefferson City, 1978) p. 6.

MAP 1

TOTAL INFANT MORTALITY RATES BY HEALTH SERVICE AREAS

1975-76

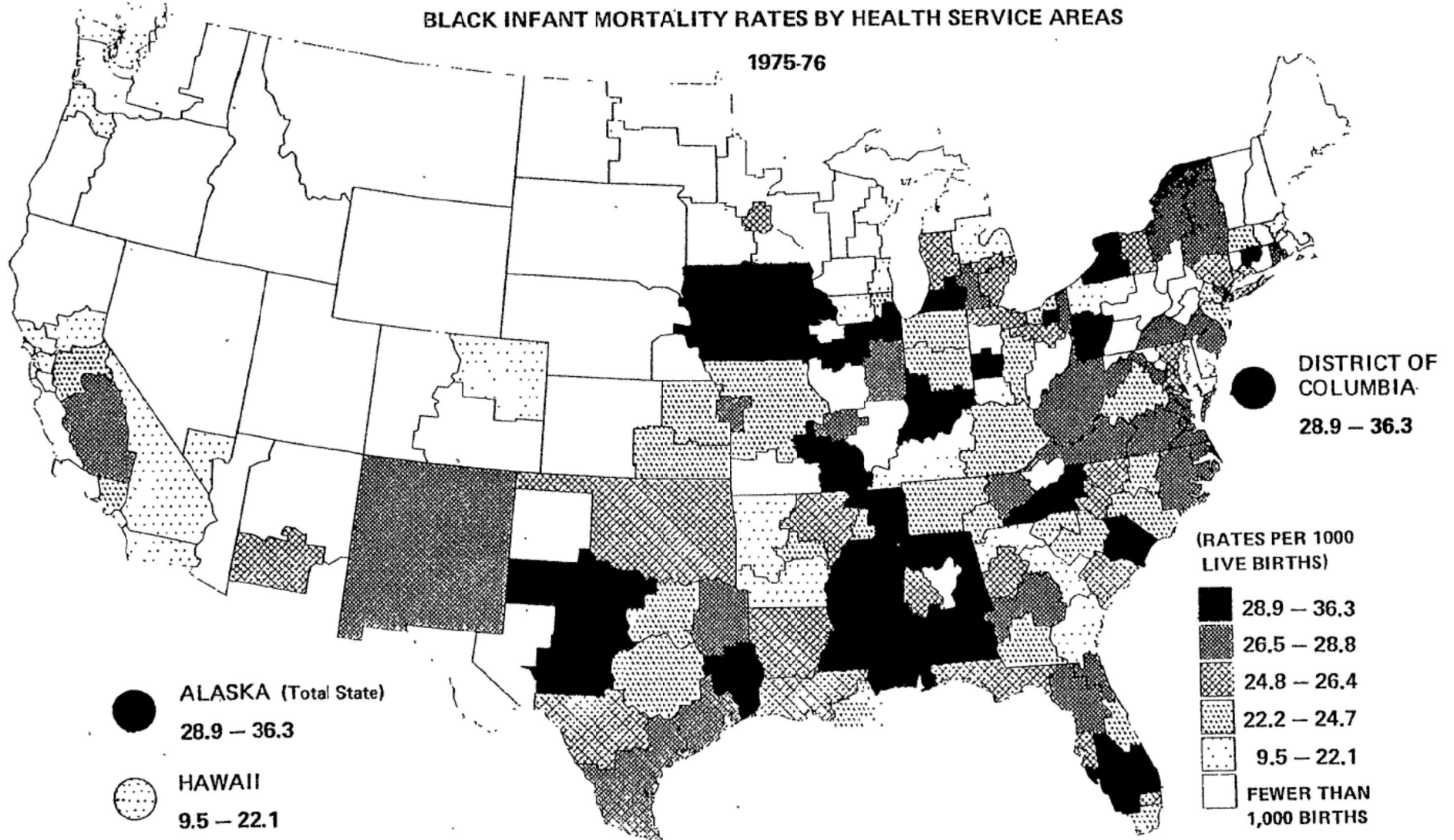


NATIONAL CENTER FOR HEALTH STATISTICS, 1978

MAP 2

BLACK INFANT MORTALITY RATES BY HEALTH SERVICE AREAS

1975-76



NATIONAL CENTER FOR HEALTH STATISTICS, 1978

TABLE 3
NUMBER OF AND PERCENT OF ANNUAL DENTAL VISITS
FOR PERSONS UNDER 17 YEARS OF AGE
U.S., NORTH CENTRAL REGION, AND MISSOURI
1974-1976

DENTAL VISITS	TOTAL U.S.	TOTAL NORTH CENTRAL REGION	MISSOURI
Number of Visits Per Person Per Year	1.5	1.6	1
Percent of Persons With an Annual Visit	50.5%	54.4%	49%

Source: National Center for Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States, 1974-1976. Derived from Health Interview Services, DHEW Publication No. 78-1241 (Hyattsville, Md., 1978) p. 11 & 59.

TABLE 4
ESTIMATES OF THE PERCENT OF PERSONS AGE 45-64
WITH LIMITATION OF ACTIVITY DUE TO CHRONIC CONDITIONS BY DEGREE OF
LIMITATION FOR U.S., NORTH CENTRAL REGION, AND MISSOURI 1974-1976

	U.S. PERSONS 45-64	NORTH CENTRAL REGION PERSONS 45-64	MISSOURI PERSONS 45-64
Percent Persons Not Limited in Activity	76.0	77.3	75
Percent Persons Limited in Activity	24.0	22.7	25
Percent Persons Limited in Amount or Kind of Major Activity	13.2	12.9	14
Percent Persons Unable to Carry on Major Activity	5.7	4.6	5

Source: National Center for Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States, 1974-1976. Derived from Health Interview Survey, DHEW Publication No. 78-1241 (Hyattsville, Md., 1978) p. 4 and 24.

TABLE 5
ESTIMATES OF THE PERCENT OF PERSONS WITH LIMITATION
OF ACTIVITY DUE TO CHRONIC CONDITIONS BY DEGREE OF LIMITATION,
FOR PERSONS 65+: UNITED STATES, NORTH CENTRAL REGION, AND MISSOURI
1974-1976

	U. S.	NORTH CENTRAL REGION	MISSOURI
Not Limited in Activity	54.0	56.3	53
Limited in Activity	46.0	43.7	47
Limited in Amount or Kind of Major Activity	22.4	23	25
Unable to Carry on Major Activity	17.3	14.3	16

Source: National Center for Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States, 1974-1976. Derived from Health Interview Survey, DHEW Publication No. 78-1241 (Hyattsville, Md., 1978) p. 4 and 24.

TABLE 6
ESTIMATES OF UTILIZATION AND NUMBER AND PERCENT
OF DENTAL VISITS PER PERSON 65+ PER YEAR:
U.S., NORTH CENTRAL REGION, AND MISSOURI 1974-1976

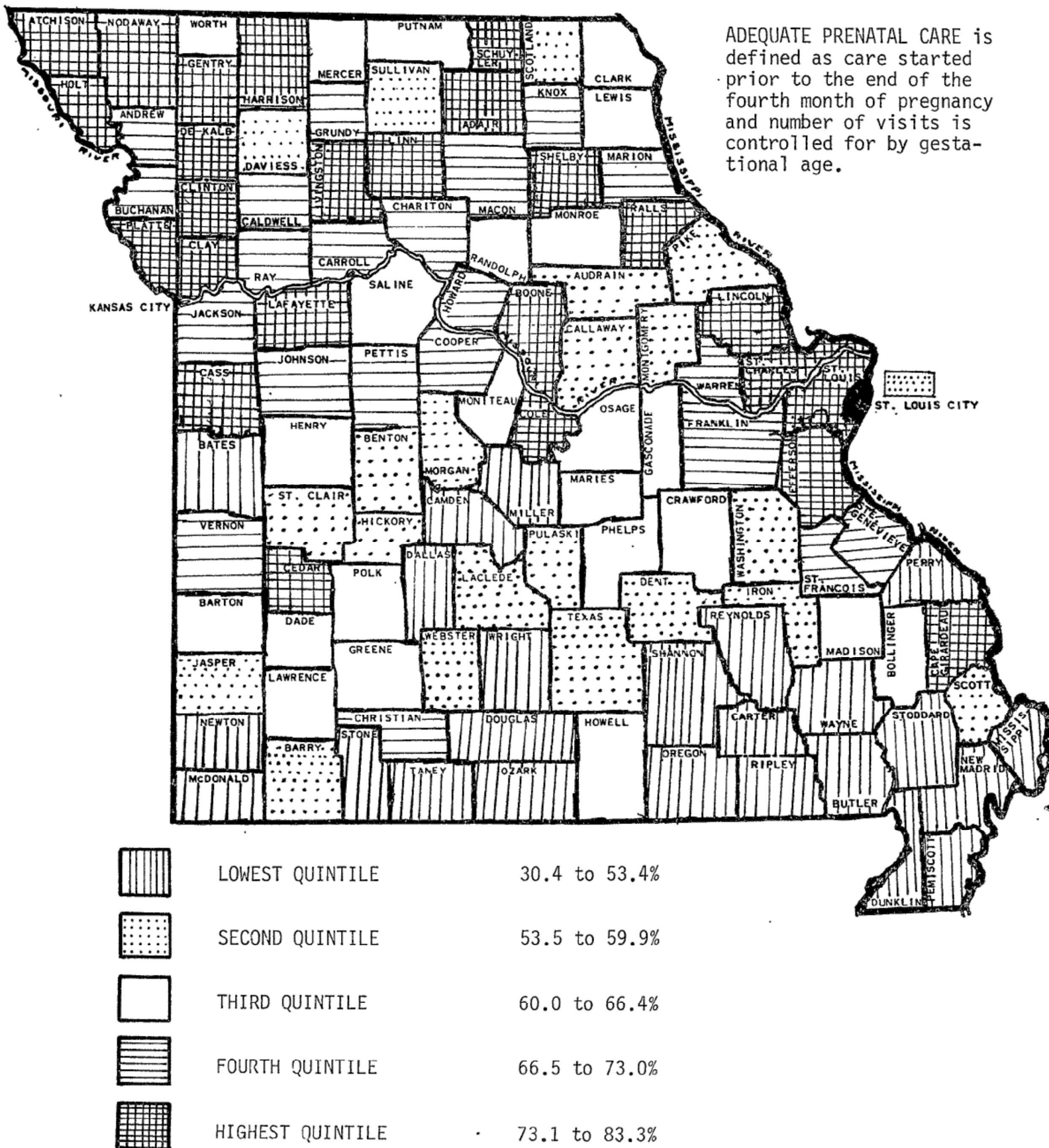
DENTAL VISITS	U. S.	NORTH CENTRAL REGION	MISSOURI
Number of Visits Per Person Per Year	1.2	1.1	1
Percent of Persons With Visit in Year	29.5%	28.9%	25%

Source: National Center for Health Statistics, State Estimates of Disability and Utilization of Medical Services: United States 1974-1976. Derived from Health Interview Survey, DHEW Publication No. 78-1241 (Hyattsville, Md., 1978) p. 11 and 59.

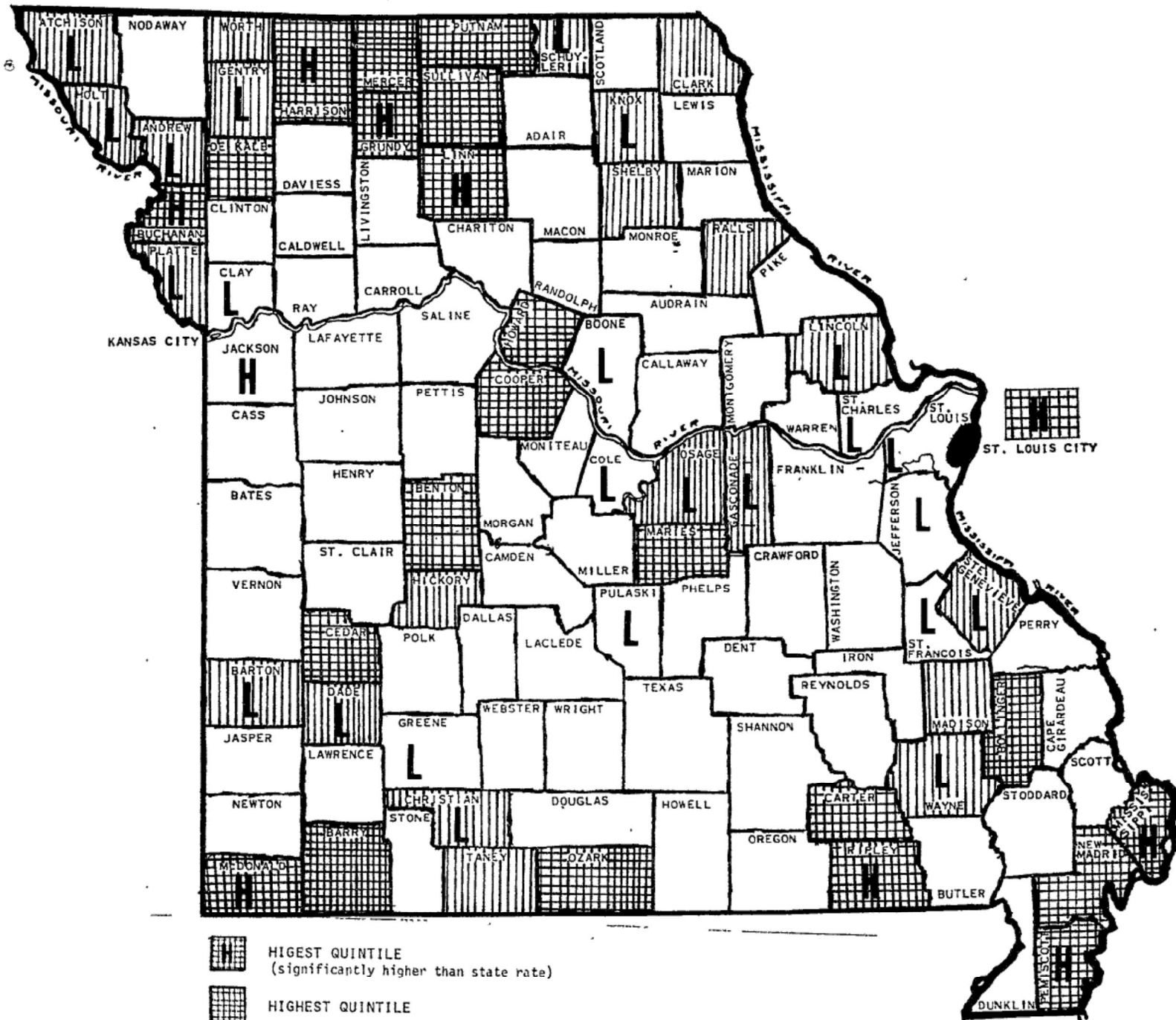
DIAGNOSTIC AND TREATMENT SERVICES: SECTION 3.5

Maternal and Infant Health

MAP 1
1972-1976 PERCENT ADEQUATE PRENATAL CARE BY COUNTY

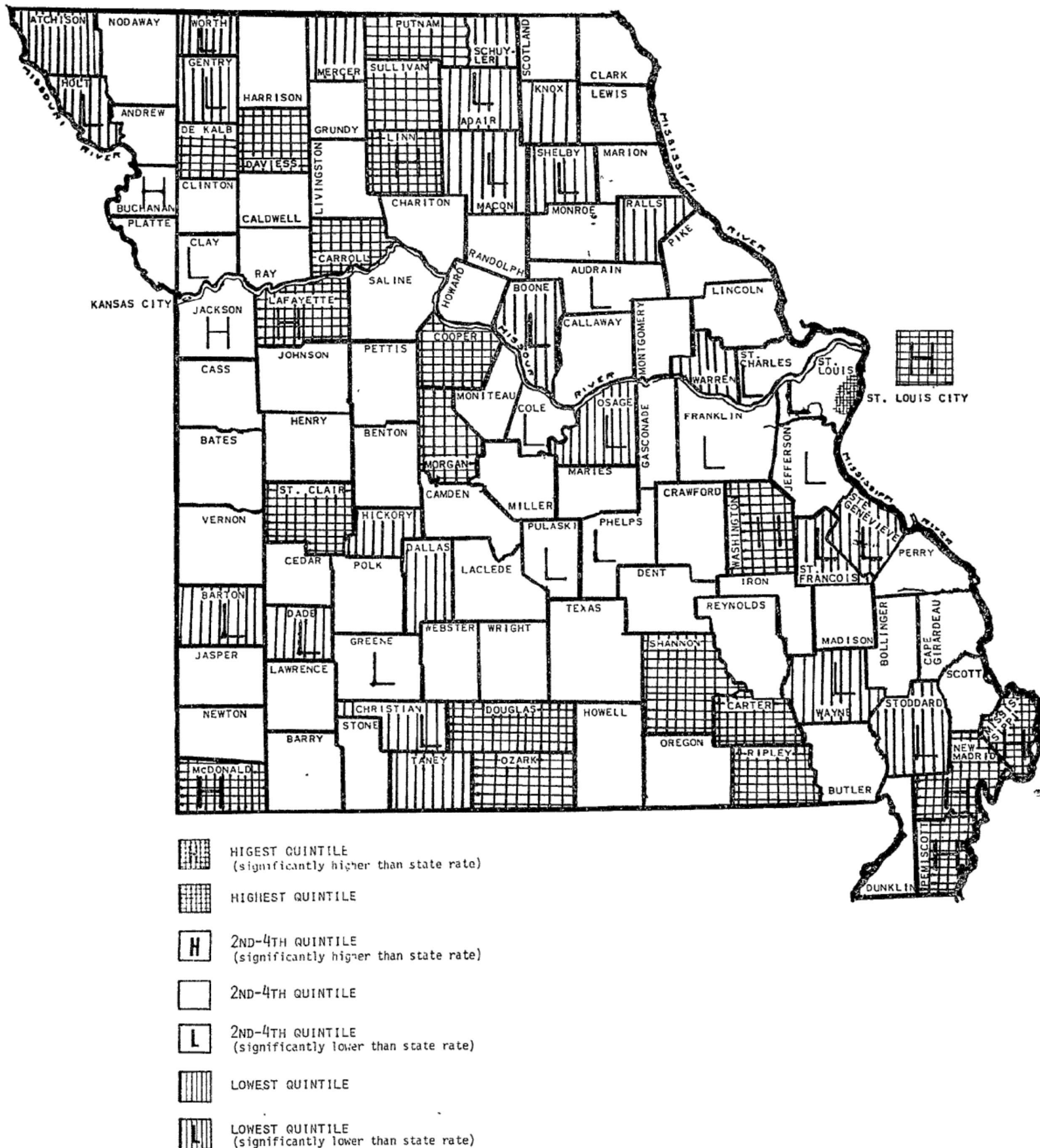


MAP 2
1967-1976 PERINATAL DEATH RATES, BY COUNTY

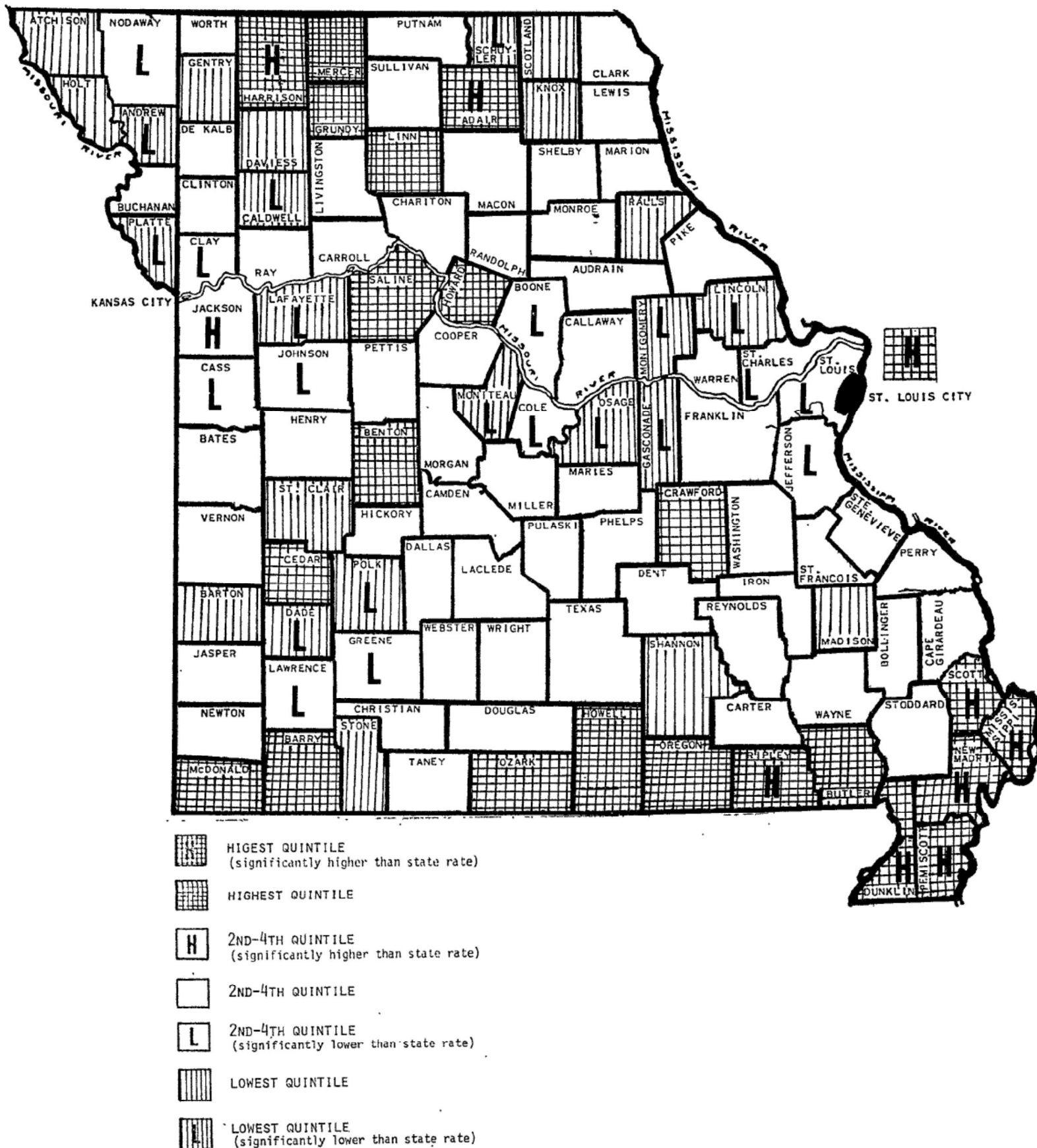


MAP 3

1967-1976 FETAL DEATH (STILLBIRTH) RATE, BY COUNTY,
95% CONFIDENCE INTERVALS

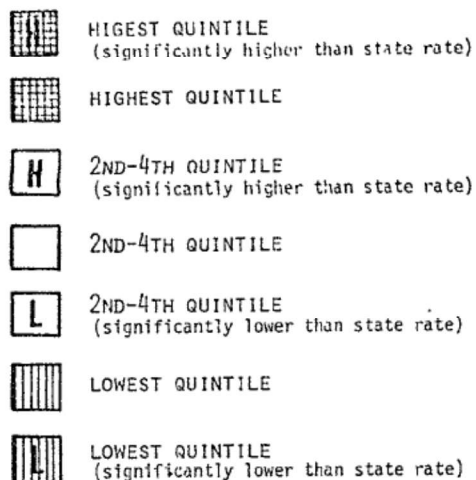


1967-1976 INFANT DEATH RATES, BY COUNTY, BY RANK,
95% CONFIDENCE INTERVALS



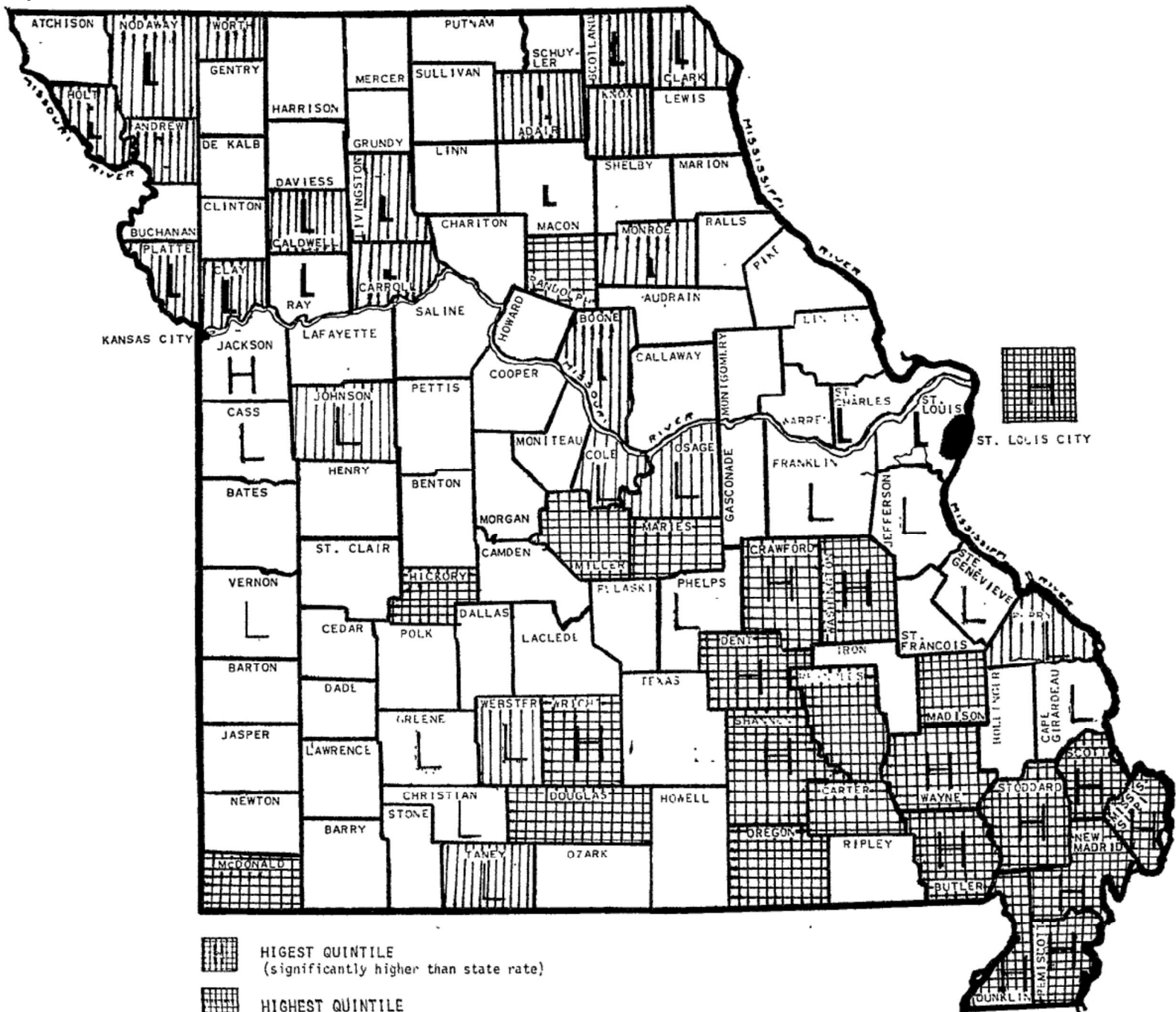
HIGHEST QUINTILE
(significantly higher than state rate)

HIGHEST QUINTILE



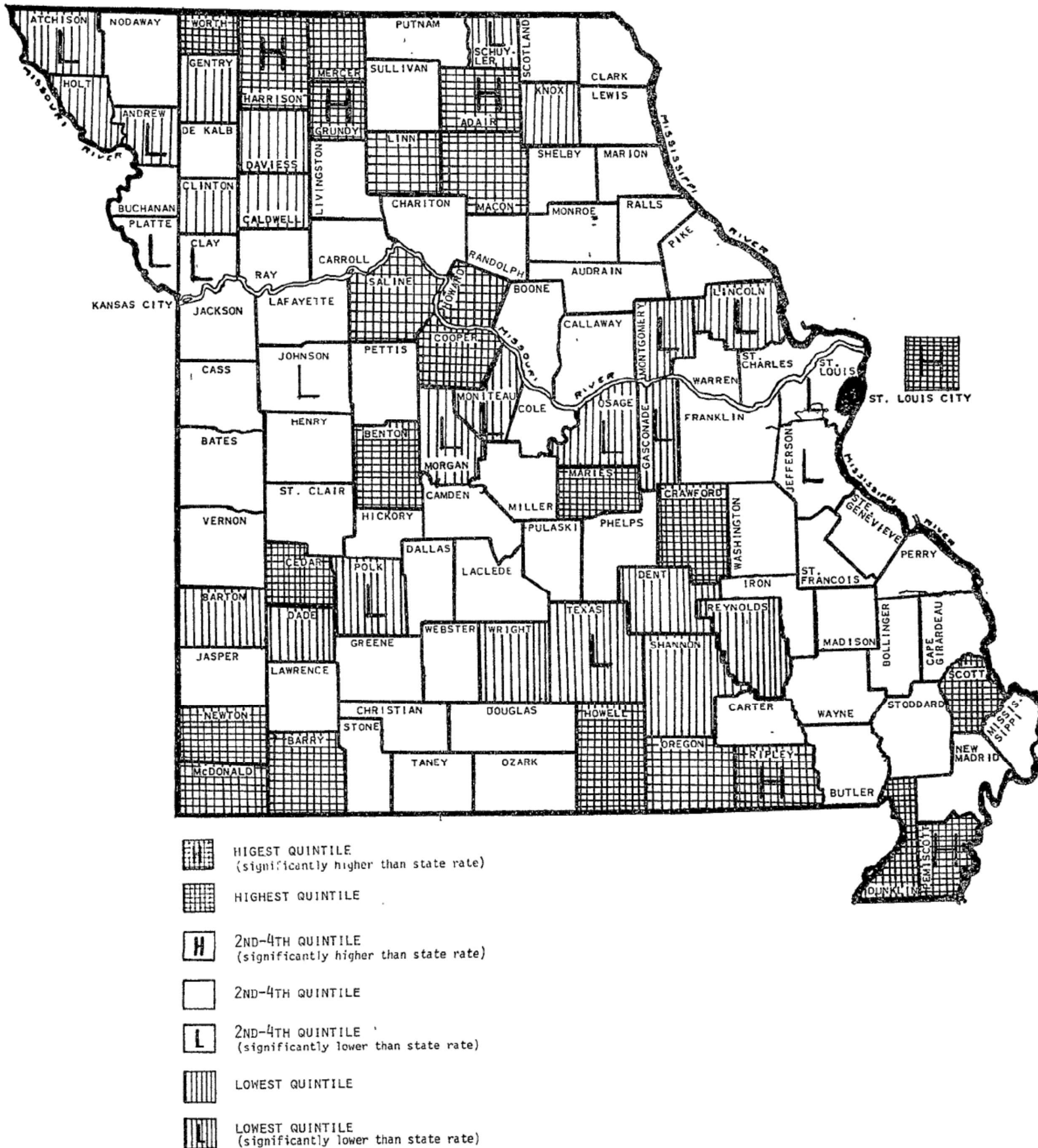
MAP 6

PERCENTAGE OF LIVE BIRTHS TO MOTHERS UNDER 18,
BY COUNTY, 1972-1976, 95% CONFIDENCE INTERVALS



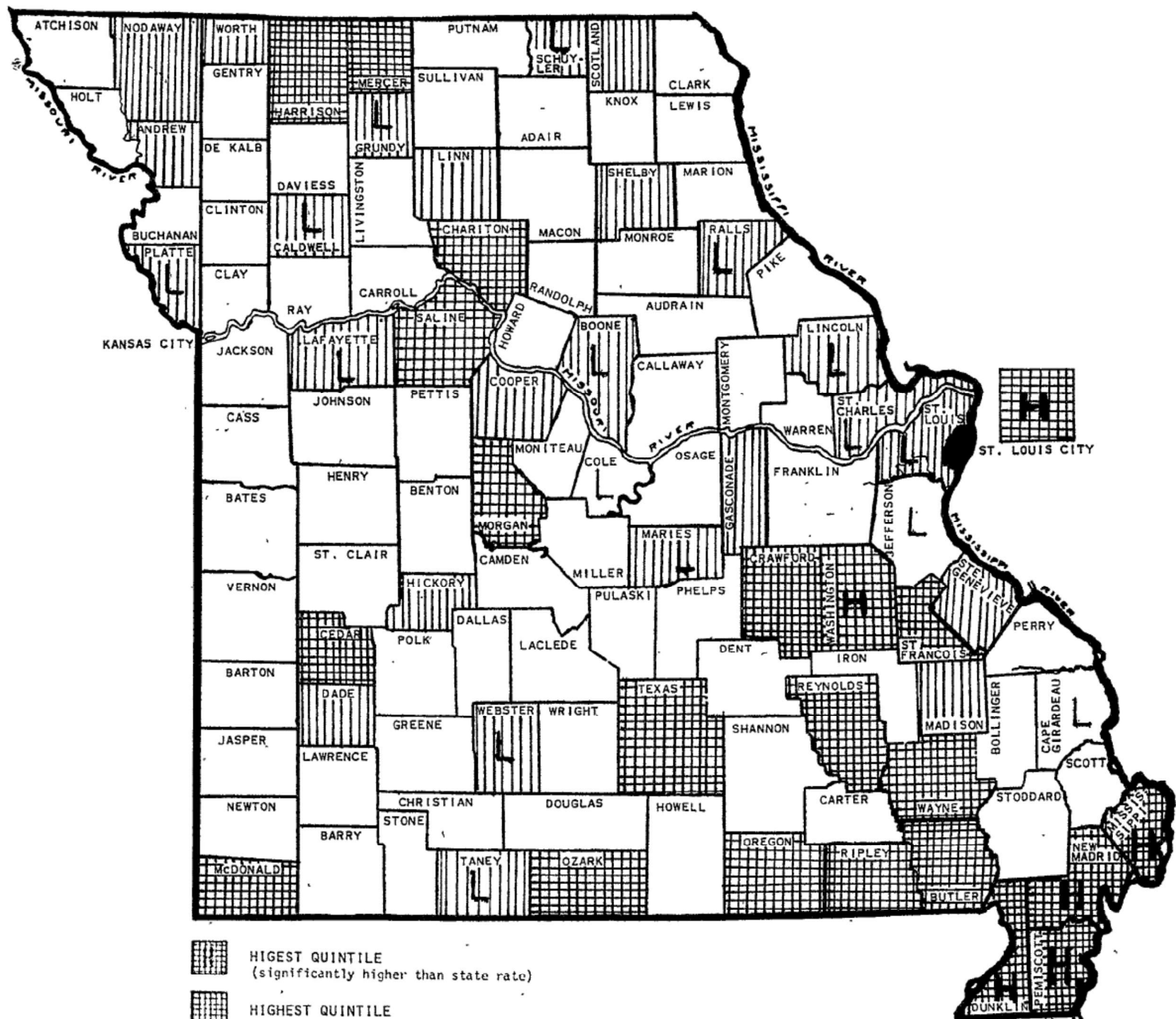
MAP 7

1967-1976 NEONATAL DEATH RATE, BY COUNTY, BY RANK,
95% CONFIDENCE INTERVALS

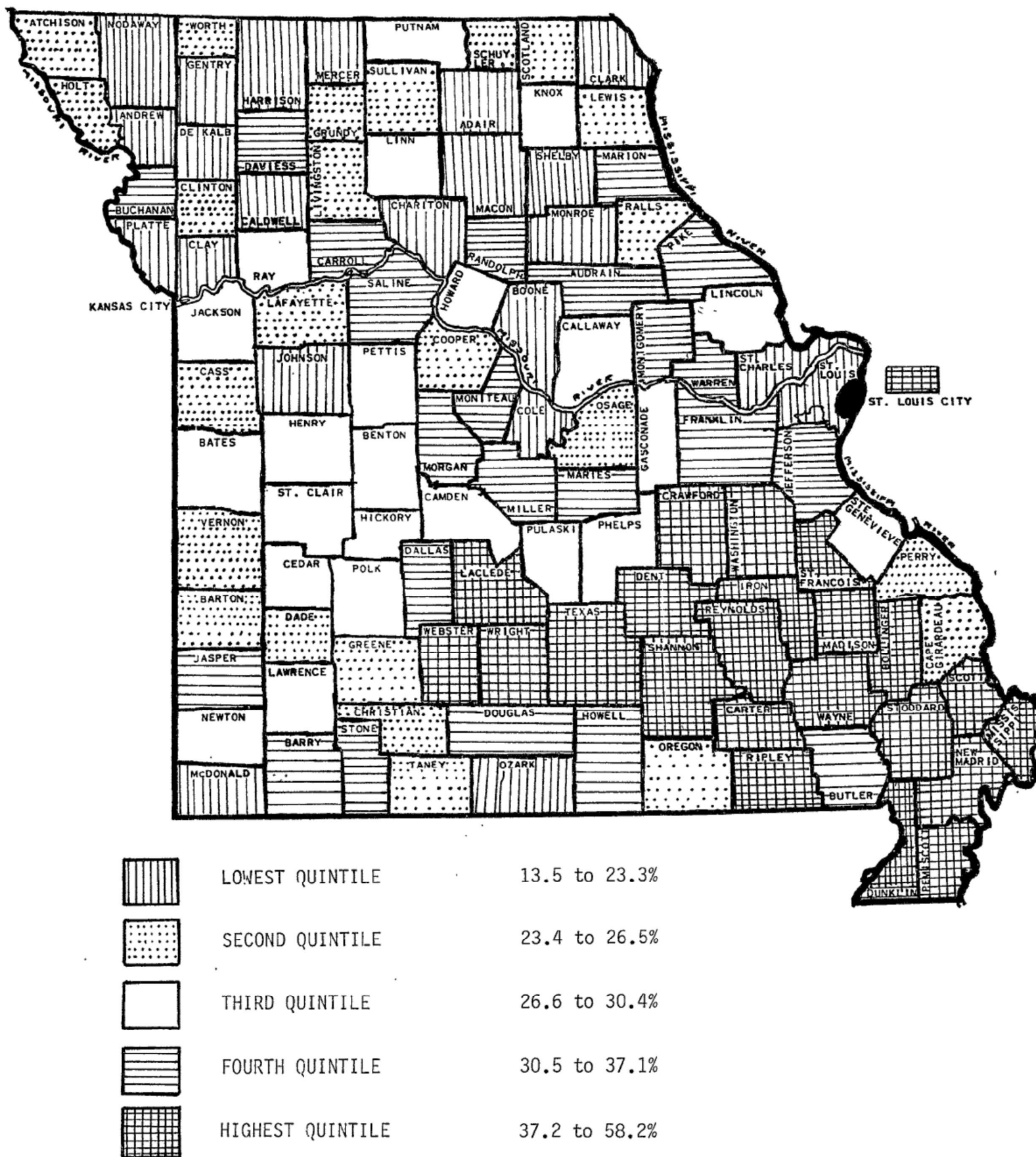


MAP 8

1967-1976 POSTNEONATAL DEATH RATES, BY COUNTY, BY RANK,
95% CONFIDENCE INTERVALS



MAP 9
PREGNANCIES TO WOMEN WITH LESS THAN A HIGH SCHOOL EDUCATION 1972-1976
MISSOURI RESIDENT DATA



MAP 10
1972 - 1976 CONGENITAL ANOMALIES
RATES (PER 1,000 LIVE BIRTHS PLUS FETAL DEATHS)
MISSOURI RESIDENT DATA

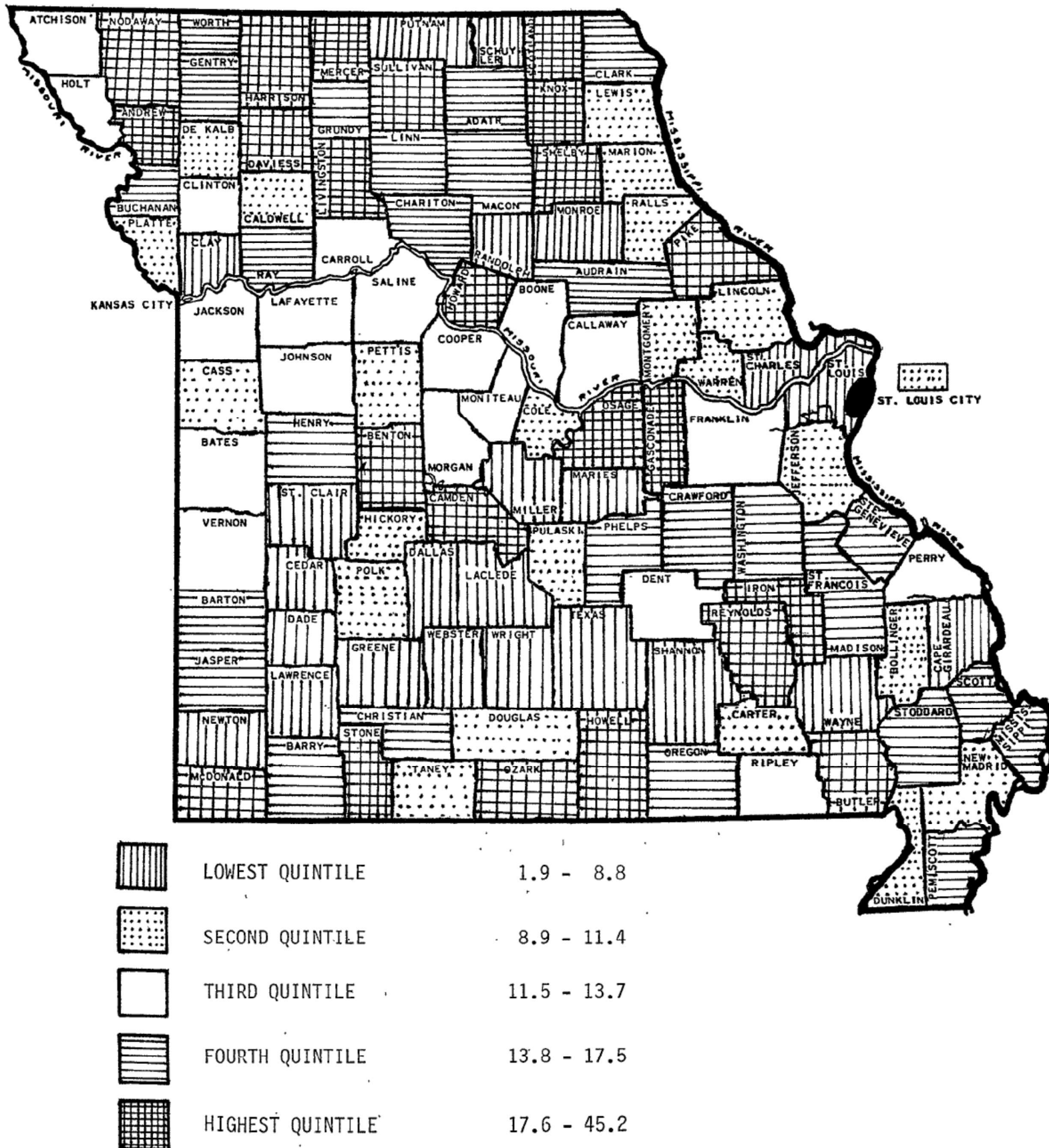


TABLE 1
NEONATAL INTENSIVE CARE UNITS
(Information Reported for November 1977 - October 1978)

	ICU BEDS	ADMISSIONS MO RESIDENTS	NON-MISSOURI RESIDENT	ESTABLISHED
<u>St. Louis</u>				
Cardinal Glennon	37	545	146	1965
St. Louis Children's	30	349	183	1969
<u>Kansas City</u>				
Children's Mercy	45	441	140	1971
Kansas City College of Osteopathic Medicine	7-10	96	16	1973
<u>Outstate</u>				
University of Missouri Medical Center	22	584	0	early 60's
Lester E. Cox	22	515	2	mid 50's
Kirksville Osteopathic	2-6	45	2	1974
TOTALS	165-172	<u>2575</u>	<u>489</u>	
		3064		

TABLE 2
HOSPITALS PROVIDING OBSTETRICAL SERVICES
AND UNDER CONTRACT WITH THE
MISSOURI HIGH RISK MATERNITY AND CHILD CARE PROGRAM

HSA	HOSPITAL	NO. OF BIRTHS
I	Independence Sanitarium and Hospital	899
I	Kansas City College of Osteopathic Medicine	871
I	Medical Center of Independence	721
I	North Kansas City Memorial Hospital	904
I	Research Medical Center	2381
I	St. Luke's Hospital	2735
I	St. Mary's Hospital	897
I	Truman Medical Center-West	2147
I	Truman Medical Center-East	629
II	Audrain Medical Center	527
II	Boone County Hospital	1151
II	(John H.) Bothwell Memorial Hospital	700
II	Methodist Medical Center	1930
II	St. Elizabeth's Hospital	505
II	St. Mary's Health Center	948
II	University of Missouri Medical Center	1047
III	Barnes Hospital	3969
III	Beaconess Hospital	930
III	DePaul Community Health Center	360
III	Jewish Hospital of St. Louis	1136
III	Normandy Osteopathic Hospital-South	698

TABLE 2
(Continued)

HSA	HOSPITAL	NO. OF BIRTHS
III	(Homor G.) Phillips Hospital	1235
III	St. Francis Mercy (Washington)	558
III	St. John's Mercy Medical Center	5334
III	St. Louis City Hospital	1444
III	St. Louis County Hospital	1202
III	St. Mary's Health Center	2306
IV	(Lester E.) Cox Medical Center	2600
IV	Freeman Hospital	1508
IV	St. John's Hospital	1848
V	Doctors Hospital	554
V	Dunklin County Memorial Hospital	491
V	(Lucy) Lee Hospital	434
V	Missouri Delta Community Hospital	610
V	Phelps County Memorial Hospital	815
V	Southeast Missouri Hospital	1460

Diagnostic Radiology

TABLE 3
LOCATION AND NUMBER OF CT SCANNING FACILITIES
IN MISSOURI BY HEALTH SERVICE AREA

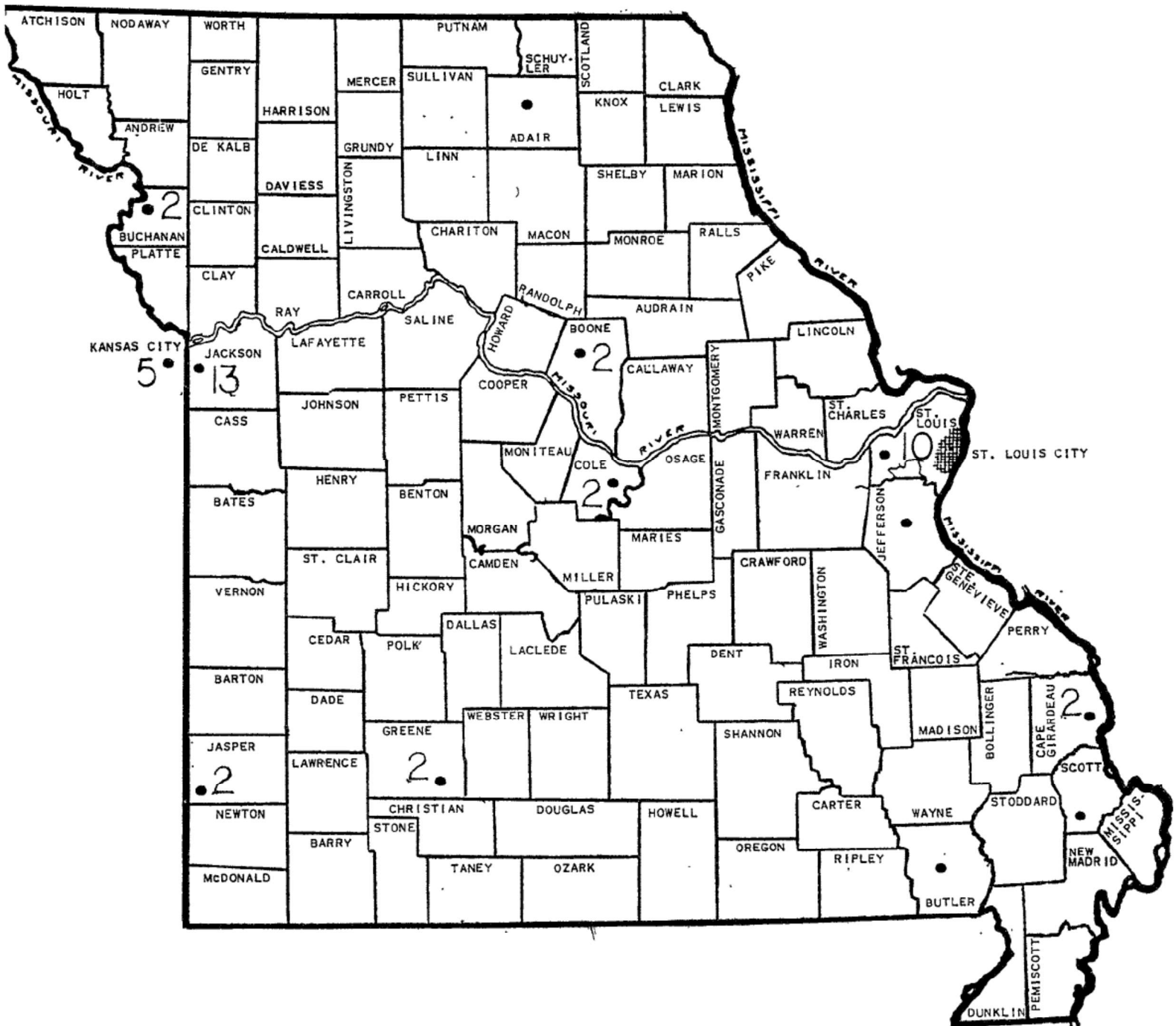
HSA	LOCATION	NUMBER AND TYPE
HSA I	St. Luke's	1 body
HSA I	Trinity/St. Mary's	1 body
HSA I	Research	1 body
HSA I	Menorah	1 body
HSA I	Baptist	1 head
HSA I	Truman Medical Center	1 body
HSA I	St. Joseph	1 body
HSA I	North Kansas City Memorial	1 body
HSA I	Liberty Memorial	1 body
HSA I	Independence Sanitarium and Hospital/ Medical Center of Independence	1 unknown
HSA II	Columbia, Missouri	1 body, 1 head
HSA II	St. Joseph, Missouri	2 body
HSA III	Neuroscanning Associates	1 head
HSA III	Cranial Tomography, LTD	1 head
HSA III	Neurological Scanning Center	1 head
HSA III	St. Luke's Hospital East	1 head
HSA III	St. Luke's Hospital West	1 body
HSA III	St. Louis University Hospitals	1 head, 1 body
HSA III	DePaul Hospital	1 body
HSA III	Missouri Baptist Hospital	1 body
HSA III	Deaconess Hospital	1 body
HSA III	The Jewish Hospital of St. Louis	1 body
HSA III	Mallinckrodt Institute of Radiology	2 head, 3 body
HSA III	Christian Hospital-Northeast	1 body
HSA III	St. Joseph's Hospital	1 body
HSA III	St. John's Mercy Medical Center	1 body
HSA III	Osteopathic Diagnostic Associates	1 head
HSA III	Incarnate Word Hospital	1 body

TABLE 3
 LOCATION AND NUMBER OF CT SCANNING FACILITIES
 IN MISSOURI BY HEALTH SERVICE AREA
 (Continued)

HSA	LOCATION	NUMBER AND TYPE
HSA IV	Cox Medical Center	1 head
HSA IV	St. John's Regional Health Center Springfield	1 body
HSA IV	St. John's Medical Center, Joplin	1 body
HSA V	St. Francis Hospital	1 body
HSA V	Doctors Hospital	1 body
STATE SUBTOTAL		1 unknown 28 body <u>10</u> head
TOTAL CT SCANNERS IN STATE		39

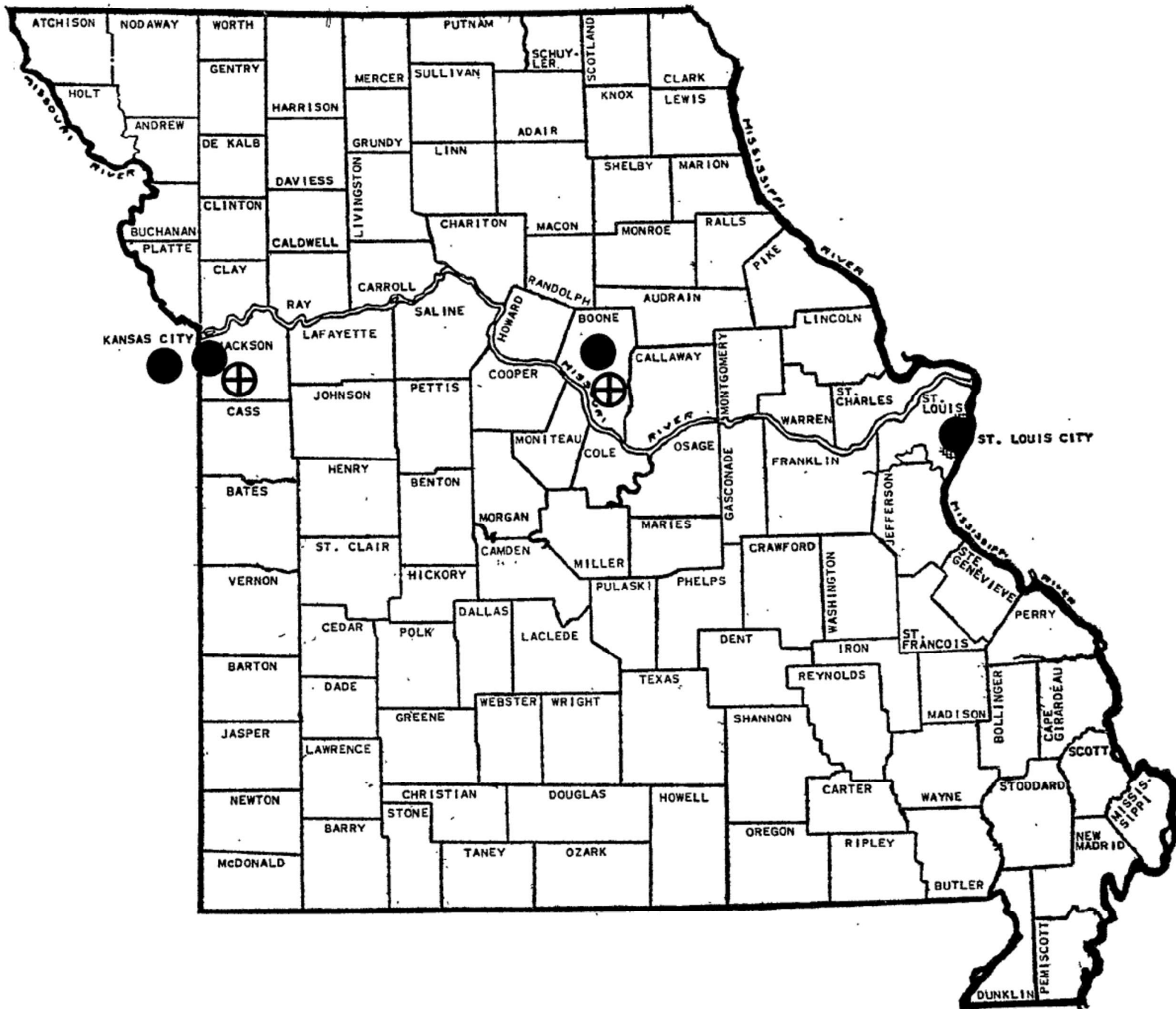
Emergency Medical Services

MAP 11

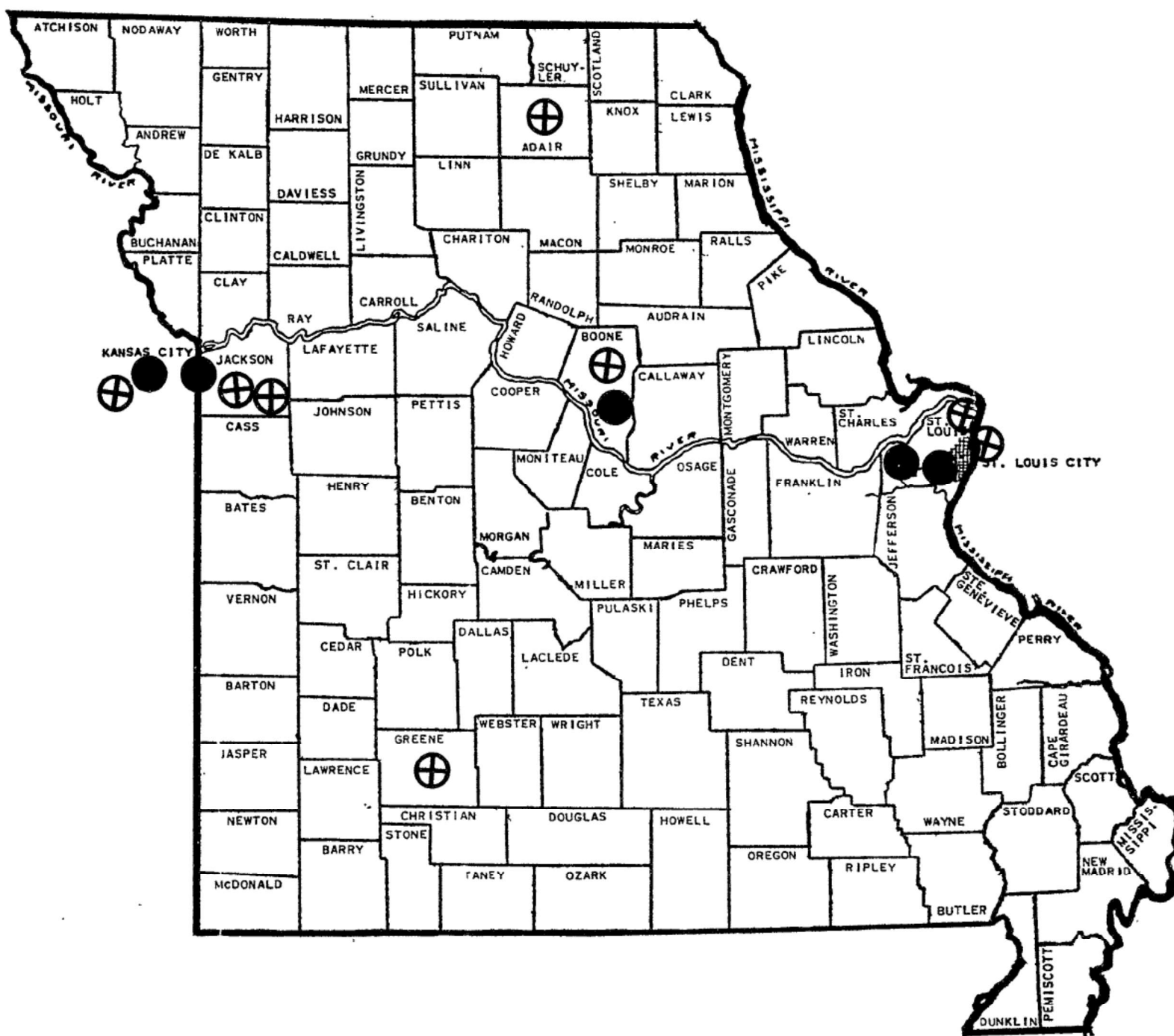


• Trauma

MAP 12
SPINAL CORD TREATMENT AND REHABILITATION CENTERS



MAP 13

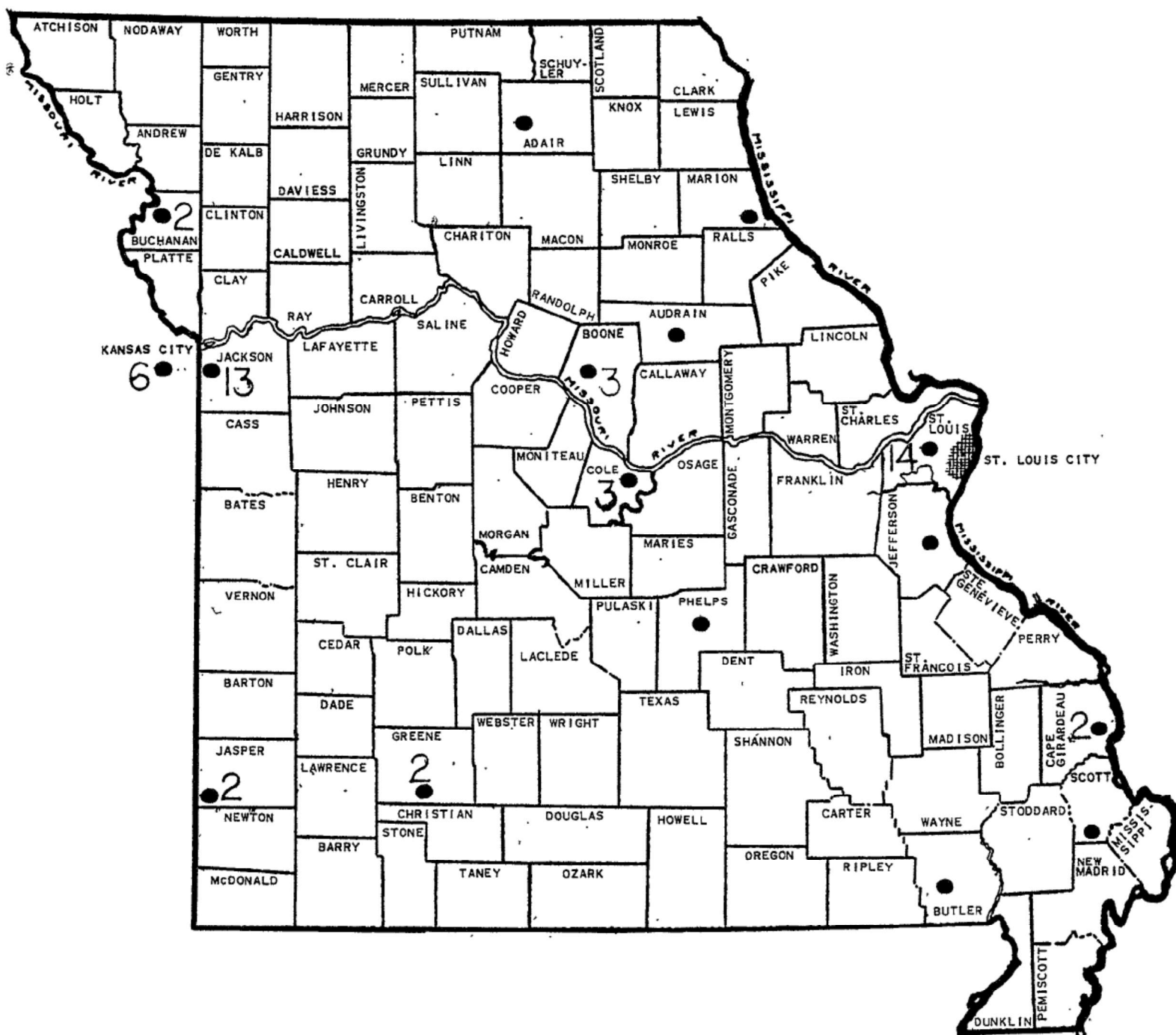


Burn



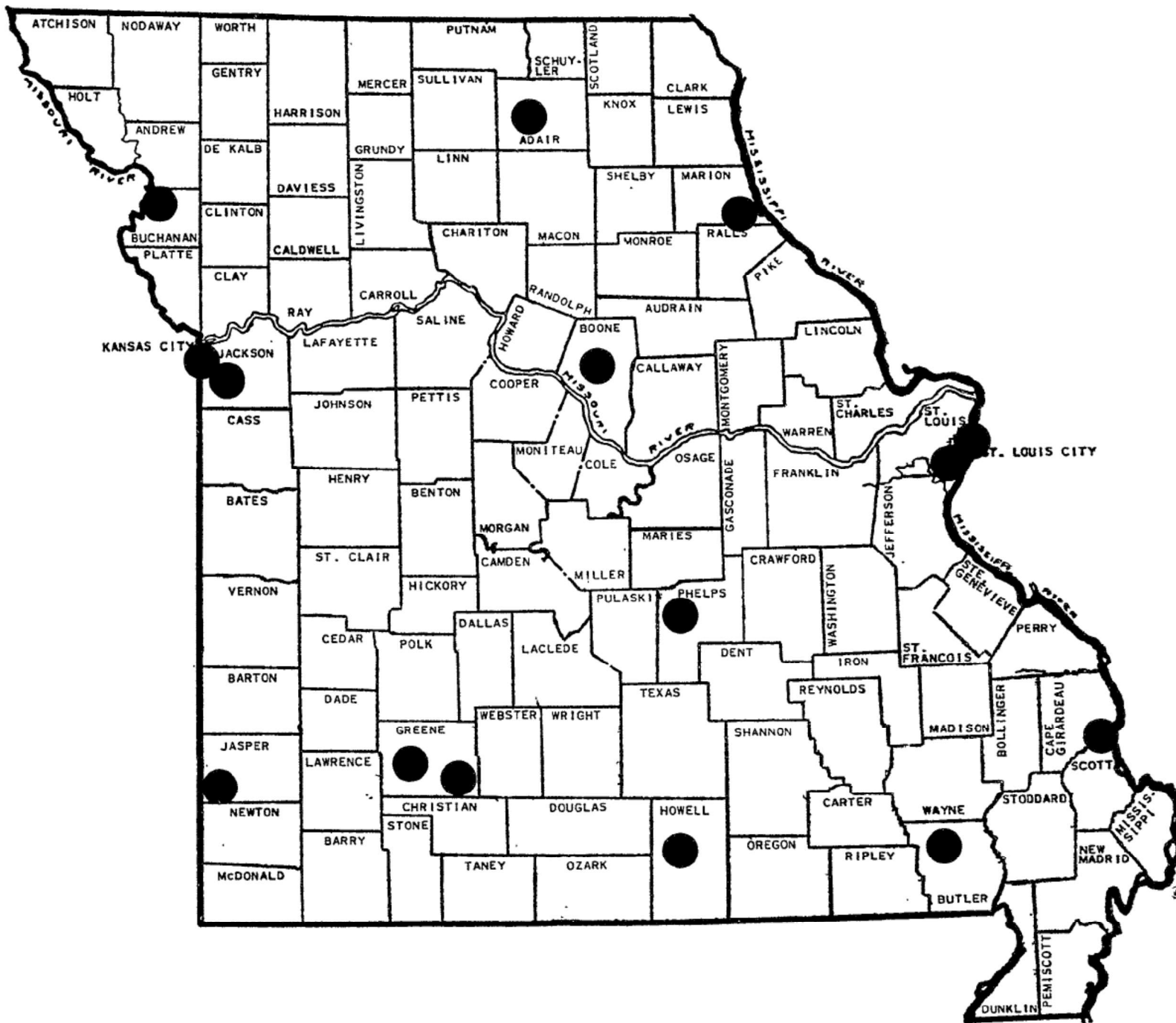
Neonatal

MAP 14



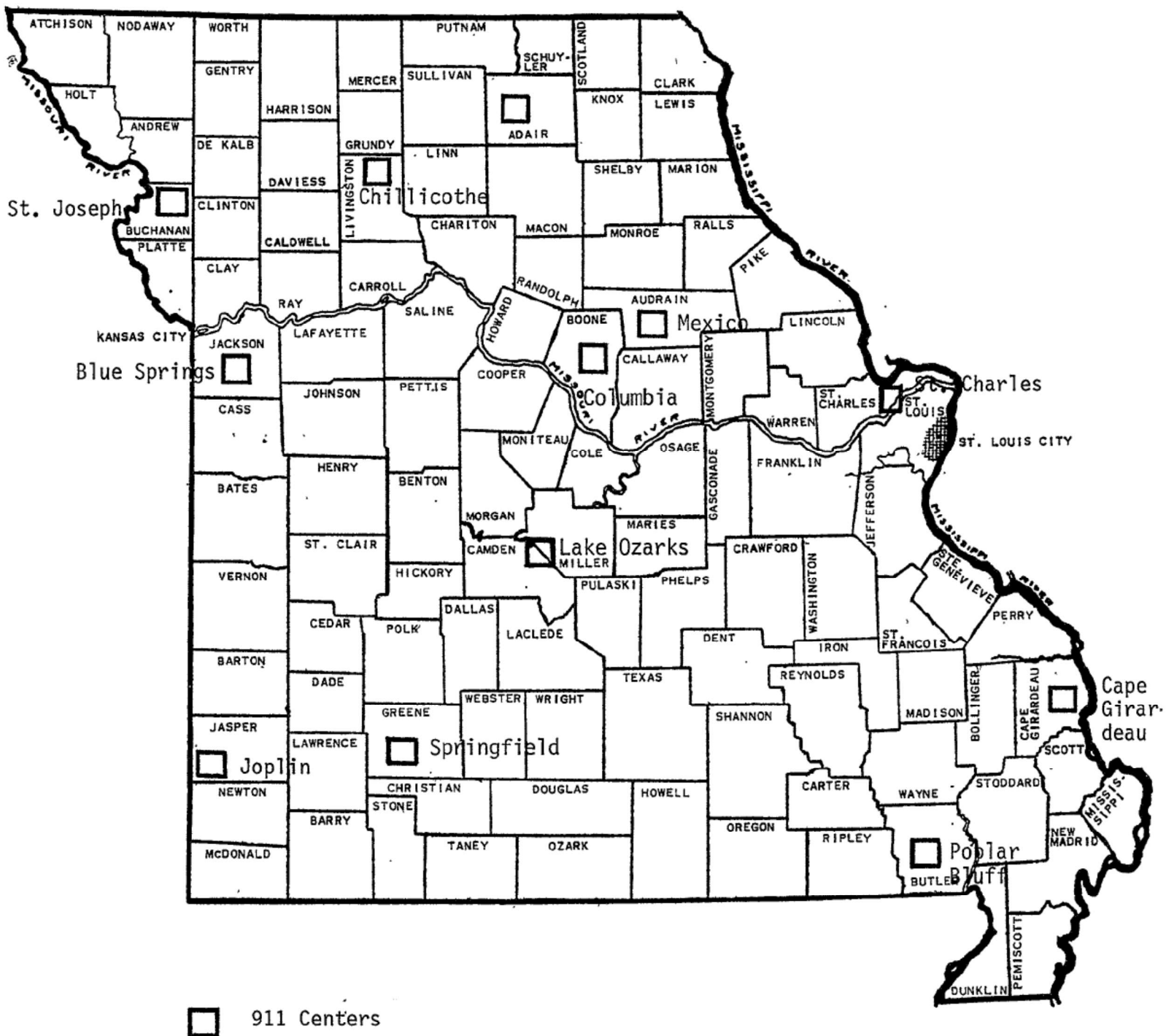
● Cardiac

MAP 15



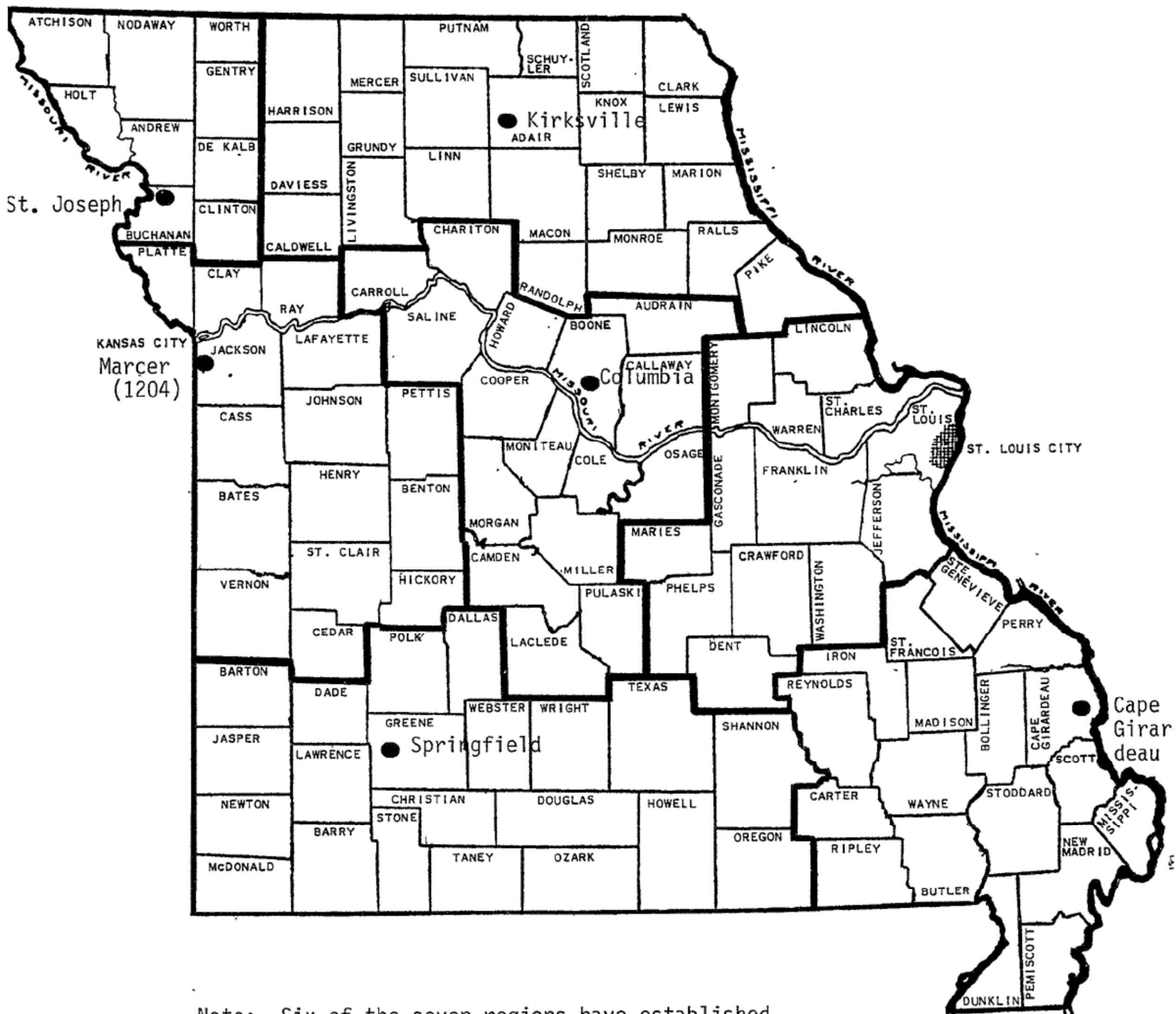
MAP 16

911 ANSWERING CENTERS



MAP 17

MEDICAL CONTROL CENTER LOCATIONS AND AREAS SERVED



Note: Six of the seven regions have established EMS regions.

EMS TRAINING ACTIVITIES AND CONTRACTS

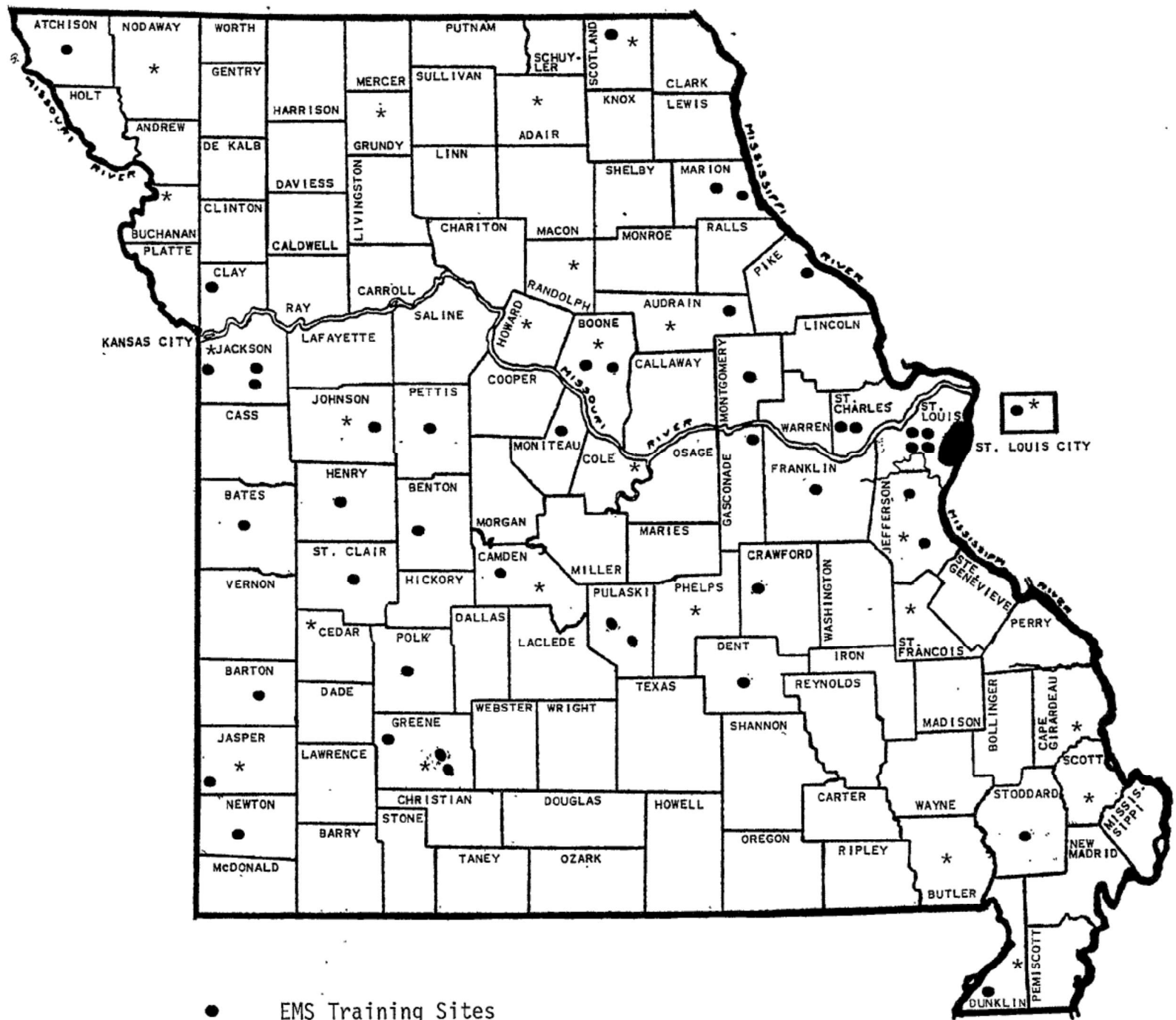


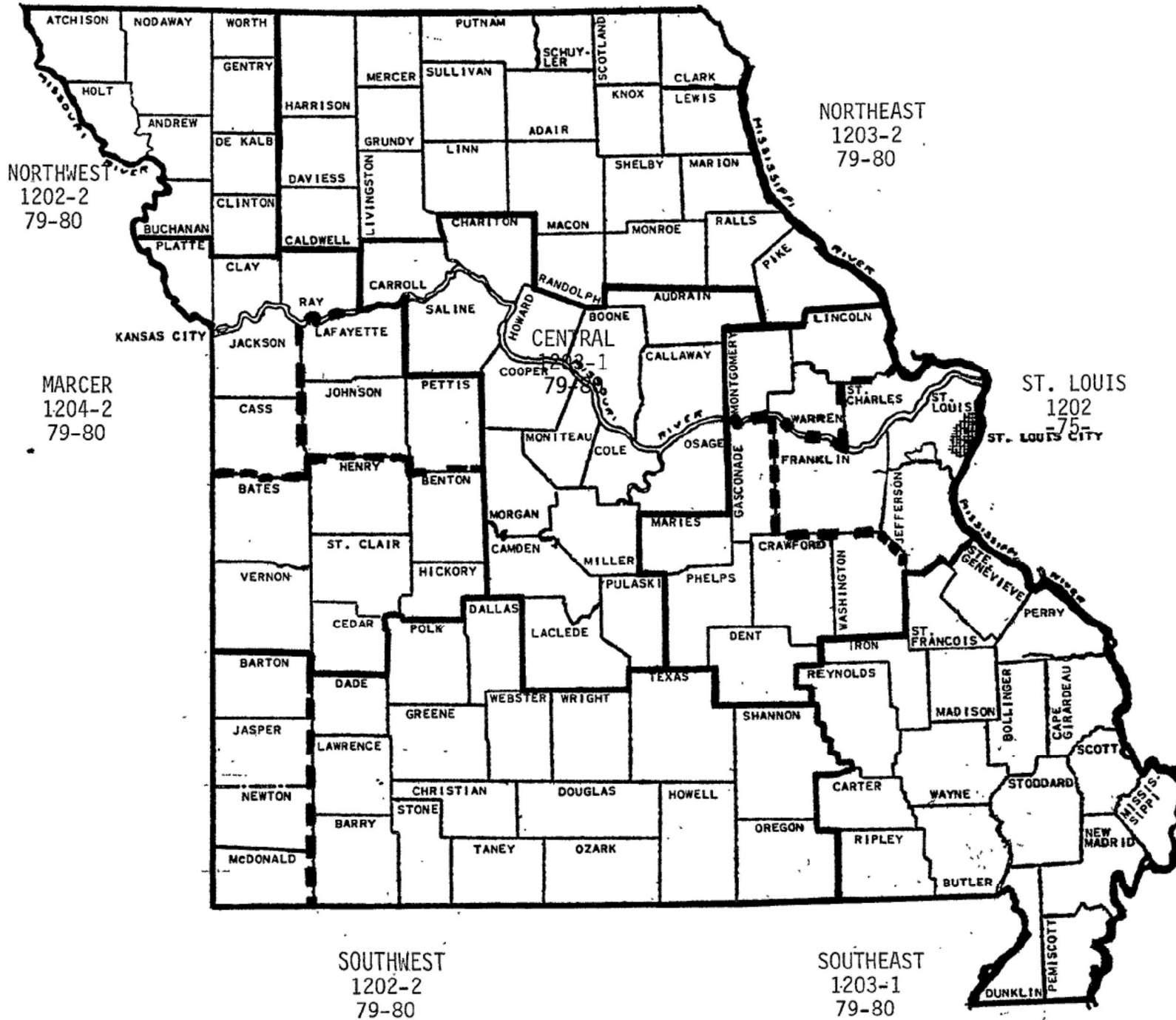
TABLE 4
AMBULANCE DISTRICTS IN MISSOURI

<u>DISTRICT</u>	<u>DATE OF ELECTION</u>
1. (Rev. Noel T.) Adams Memorial Ambulance District, Bethany	August 27, 1974
2. Atchison-Holt Ambulance District, Fairfax	May 28, 1974
3. Ava Area Ambulance District, Ava	April 11, 1972
4. Barton County Ambulance District, Lamar	August 6, 1974
5. Big River Ambulance District, Cedar Hill	April 29, 1975
6. Caldwell County Ambulance District, Kingston	August 24, 1971
7. Callaway County Ambulance District, Fulton	April 4, 1972
8. Cam-Mo Ambulance District, Sunrise Beach	November 2, 1976
9. Cameron Ambulance District, Cameron	December 13, 1974
10. Carter County Ambulance District, Van Buren	August 6, 1974
11. Chariton County Ambulance District, Salisbury	August 8, 1972
12. Clark County Ambulance District, Kahoka	February 8, 1972
13. Community Ambulance District of Daviess Co., Gallatin	May 9, 1972
14. Cooper County Ambulance District, Boonville	April 7, 1977
15. Dade County Ambulance District, Greenfield	August 6, 1974
16. DeKalb-Clinton County Ambulance District, Maysville	April 2, 1974
17. Dunklin County Ambulance District, Kennett	August 6, 1974
18. Gerald Area Ambulance District, Gerald	March 26, 1974
19. Hermann Area Ambulance District, Hermann	April 30, 1974
20. Howard County Ambulance District, Fayette	February 12, 1974
21. Iron County Ambulance District, Ironton	October 5, 1971
22. Joachim-Plattin Ambulance District, Festus	April 15, 1975
23. Knox County Ambulance District, Edina	November 5, 1974
24. Lewis County Ambulance District, Monticello	August 6, 1974
25. Lincoln County Ambulance District, Troy	February 20, 1974
26. Linn County Ambulance District, Brookfield	November 2, 1976
27. Macon County Ambulance District, Macon	November 9, 1971
28. Marion County Ambulance District, Hannibal	August 6, 1974
29. Marshall Ambulance District, Marshall	July 15, 1975
30. Marthasville Ambulance District, Marthasville	August 6, 1974
31. Meramec Ambulance District, Pacific	November 7, 1972
32. Mid-Mo Ambulance District, California	June 28, 1977
33. Miller County Ambulance District, Eldon	April 2, 1974
34. Monroe City Ambulance District, Monroe City	March 19, 1974
35. Monroe County Ambulance District, Paris	March 19, 1974
36. Montgomery County Ambulance District, Montgomery City	June 4, 1974
37. Mt. Vernon Ambulance District, Mt. Vernon	September 4, 1973
38. New Madrid County, New Madrid	April 5, 1979
39. Newton County Ambulance District, Neosho	April 1, 1975
40. Nodaway County Ambulance District, Maryville	February 4, 1975
41. North Barry County Ambulance District, Monett	November 5, 1974
42. North Crawford County Ambulance District, Cuba	November 2, 1976
43. North Harrison County Ambulance District, Eagleville	November 5, 1974
44. North Jefferson County Ambulance District, High Ridge	February 10, 1976
45. North Stone County Ambulance District, Crane	July 29, 1975

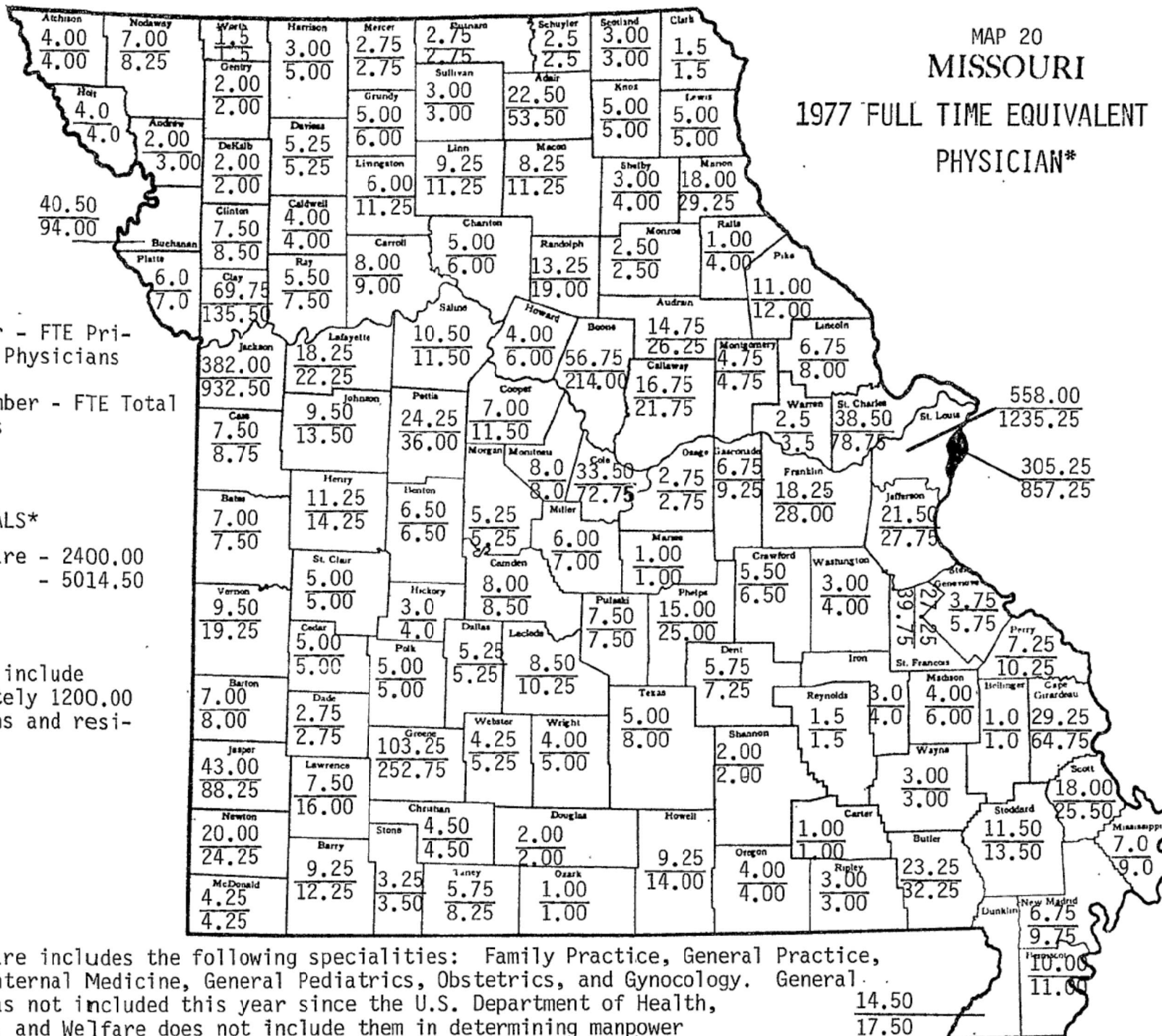
TABLE 4
AMBULANCE DISTRICTS IN MISSOURI
(Continued)

<u>DISTRICT</u>	<u>DATE OF ELECTION</u>
46. Oregon County Ambulance District, Alton	August 6, 1974
47. Osage County Ambulance District, Linn	April 2, 1974
48. Owensville Area Ambulance District, Owensville	June 11, 1974
49. Ozark Central Ambulance District, Bland	April 2, 1974
50. Ralls County Ambulance District, New London	December 10, 1974
51. Randolph County Ambulance District, Moberly	August 8, 1972
52. Reynolds County Ambulance District, Centerville	April 1, 1975
53. St. Charles Co. Ambulance District, St. Charles	November 5, 1974
54. St. Clair Ambulance District, St. Clair	December 21, 1973
55. St. Francois Co. Ambulance District, Farmington	November 2, 1976
56. St. James Ambulance District, St. James	August 6, 1974
57. Salt River Ambulance District, Shelbyville	January 1974
58. Schuyler County Ambulance District, Lancaster	April 29, 1975
59. Scotland County Ambulance District, Memphis	November 5, 1974
60. Shannon County Ambulance District, Eminence	November 5, 1974
61. Slater Ambulance District, Slater	April 1, 1975
62. South Barry County Ambulance District, Cassville	May 14, 1974
63. South Howell Co. Ambulance District, West Plains	August 30, 1974
64. Steelville Ambulance District, Steelville	November 2, 1976
65. Stoddard County Ambulance District, Bloomfield	April 2, 1974
66. Summerville Ambulance District, Summerville	August 6, 1974
67. Sweet Springs Community Ambulance District, Sweet Springs	August 5, 1975
68. Taney Co. Ambulance District, Forsyth	November 2, 1976
69. Tri-County Ambulance District, Plattsburg	January 16, 1973
70. Union Ambulance District, Union	February 19, 1974
71. Valle Ambulance District, DeSoto	January 1976
72. Van-Far Ambulance District, Vandalia	September 29, 1975
73. Vernon County Ambulance District, Nevada	June 6, 1978
74. Warren County Ambulance District, Warrenton	August 6, 1974
75. Warsaw Ambulance District, Warsaw	May 28, 1974
76. Willow Springs Ambulance District, Willow Springs	August 6, 1974
77. Maries-Osage Ambulance District	

EMS REGIONS



Outpatient Services

1977 FULL TIME EQUIVALENT (FTE)
PHYSICIAN*

*Does not include approximately 1200.00 FTE interns and residents.

Primary Care includes the following specialities: Family Practice, General Practice, General Internal Medicine, General Pediatrics, Obstetrics, and Gynecology. General Surgery was not included this year since the U.S. Department of Health, Education, and Welfare does not include them in determining manpower shortage areas.

General Medical Services

TABLE 5
Total Missouri Dialysis Patients by Health Service Areas
FY 77/78

Facility	Number of Stations 6/30/78 ²	Patients Residing in Missouri Health Service Areas						Estimate of Non-Missouri Patients FY 77/78 ³	Estimate of Total Patients (Missouri and Non-Missouri Residents) FY 77/7
		1	2	3	4	5	Total		
Washington U.	20		1	99		5	105	45	150
KC Dialysis & Transplant	22	119	7		2		128	28	156
St. Luke's Hospital	22	68	30		2		100	54	154
University of Missouri	9		56	2	4	4	66	0	66
St. Louis University	21		1	77		5	83	10	93
Cox Medical Center	8		2		65		67	0	67
Deaconess Hospital	8		1	44		1	46	1	47
Jewish Hospital	7			45		5	50	10	60
Children's Hospital	6			8		1	9	4	13
Mo Delta Community Hos.	4					12	12	0	12
H.G. Philips Hospital	5			17			17	2	19
St. John's Medical Center	5		1		23		24	6	30
St. Mary's Health Center	3		7				7	0	7
Salem Memorial Hospital	4		2		2	6	10	0	10
St. Louis Veterans Admin.	12		1	38	1	3	43	44	87
Kansas City Veterans Ad.	12	20	10		2		32	40	72
Bishop Clarkson Hos.	15		1				1	76	77
U. of Kansas Med. Cntr.	6	8	1				9	22	31
Blessing Hospital	9		6			1	7	9	16
Rotary Mid-South Kid. Ctr.	30					12	12	153	165
Hillcrest Medical Center	30				7		7	87	94
Totals	258	215	127	330	108	55	835	591	1,426

¹These figures will not agree with individual facility maps because transfer patients were deleted. Thirty-eight patients transferred between facilities in FY 77/78. They appear, in these figures, in the last facility they belonged to during the fiscal year.

²No home training, positive HAA or back-up machines included. Two stations at federal prison in Springfield included in Cox stations.

³Figures taken from MoKP 78/79 applications for funding filed 12/77.

MAP 21
Missouri Dialysis Facilities and Stations
by HSA
As of June 30, 1978

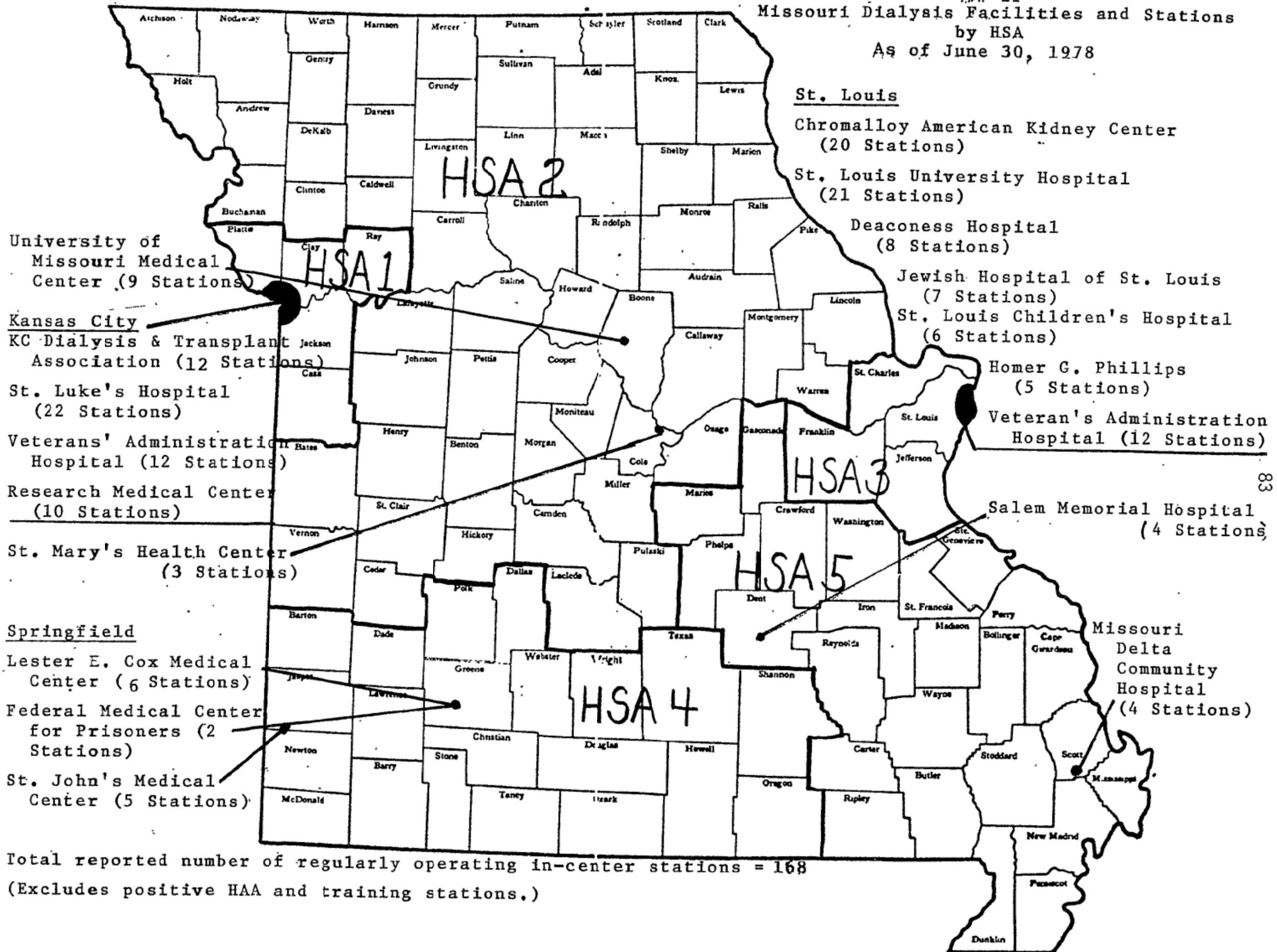


FIGURE 1

1. Rapid advances in medical knowledge and technology have led to subspecialization in order to achieve and maintain high competence. Critically ill children require the life support systems and skilled professionals available only in centralized intensive care units. Subspecialists require a regional setting for the concentration of sufficient number of patients with special problems to justify financially the considerable staff and expensive technology needed to permit physicians and nurses to maintain their skills.
2. There is a national trend toward the practice of medicine by groups of physicians rather than solo practitioners. Multidisciplinary groups fit well in a regional system at all levels and can foster the sharing of a wider spectrum of knowledge and techniques and continuing reviews of performance.
3. Recent advances in communication and transportation technology have greatly aided regionalization. Interstate highways, emergency radio networks, ambulances, helicopters, computers, toll-free lines, and closed-circuit television have all contributed to the movement of patients and information.
4. Organization of facilities and services to provide a progressive continuum of care encourages referrals of problems from the primary to the more specialized levels as well as simplifying the return of patients to the primary level for continued care when feasible and mutually acceptable to patients and practitioners. Mutual familiarity, interchange by telephone, and visits can thus enhance confidence among practitioners at various levels.
5. A sound plan for emergency care is simplified by regionalization that has clinical capability, initial patient stabilization, and adequate transportation to centers that are equipped and staffed to provide comprehensive services at any hour.
6. The haphazard application of medical care has often led to overlap, duplication, unnecessary proliferation of highly specialized services, inadequate utilization of skills and high costs. Providing comprehensive pediatric care has been shown to reduce costs by reducing the need for hospitalization, the major contributor to such costs.
7. At the tertiary level, where highest costs occur, regionalization leads to a concentration of sufficient beds and occupancy at a consistently high level.

FIGURE 1
(Continued)

8. Forethought in selecting sites for nationwide regional centers would make it possible for a family moving from one region of the country to another to be referred to a new unit, confident that an ill or handicapped child would continue receiving expert care. Such a plan would require a long-range commitment to national health planning and access to high-quality health services for all children.
9. The division and rational allocation of responsibilities and technical skills required by regionalization encourage the maintenance of a uniform high standards of care at all levels. and
10. A balanced regional system can contribute to the education of health care professionals, including the broad knowledge required at the primary level and the increasing specialization required at other levels.

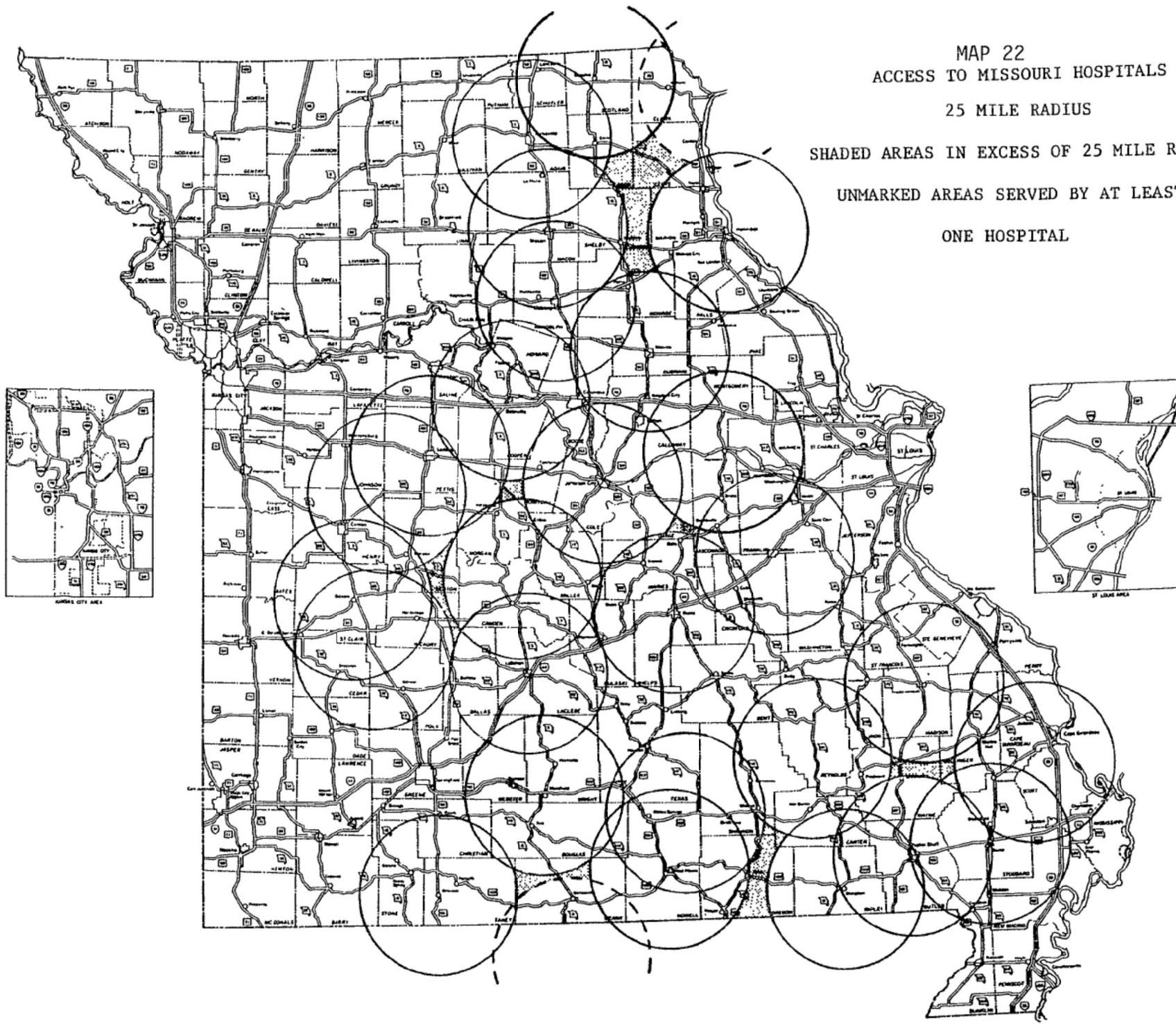
MAP 22
ACCESS TO MISSOURI HOSPITALS

25 MILE RADIUS

SHADED AREAS IN EXCESS OF 25 MILE RADIUS

UNMARKED AREAS SERVED BY AT LEAST

ONE HOSPITAL



MAINTENANCE SERVICES: SECTION 3.7

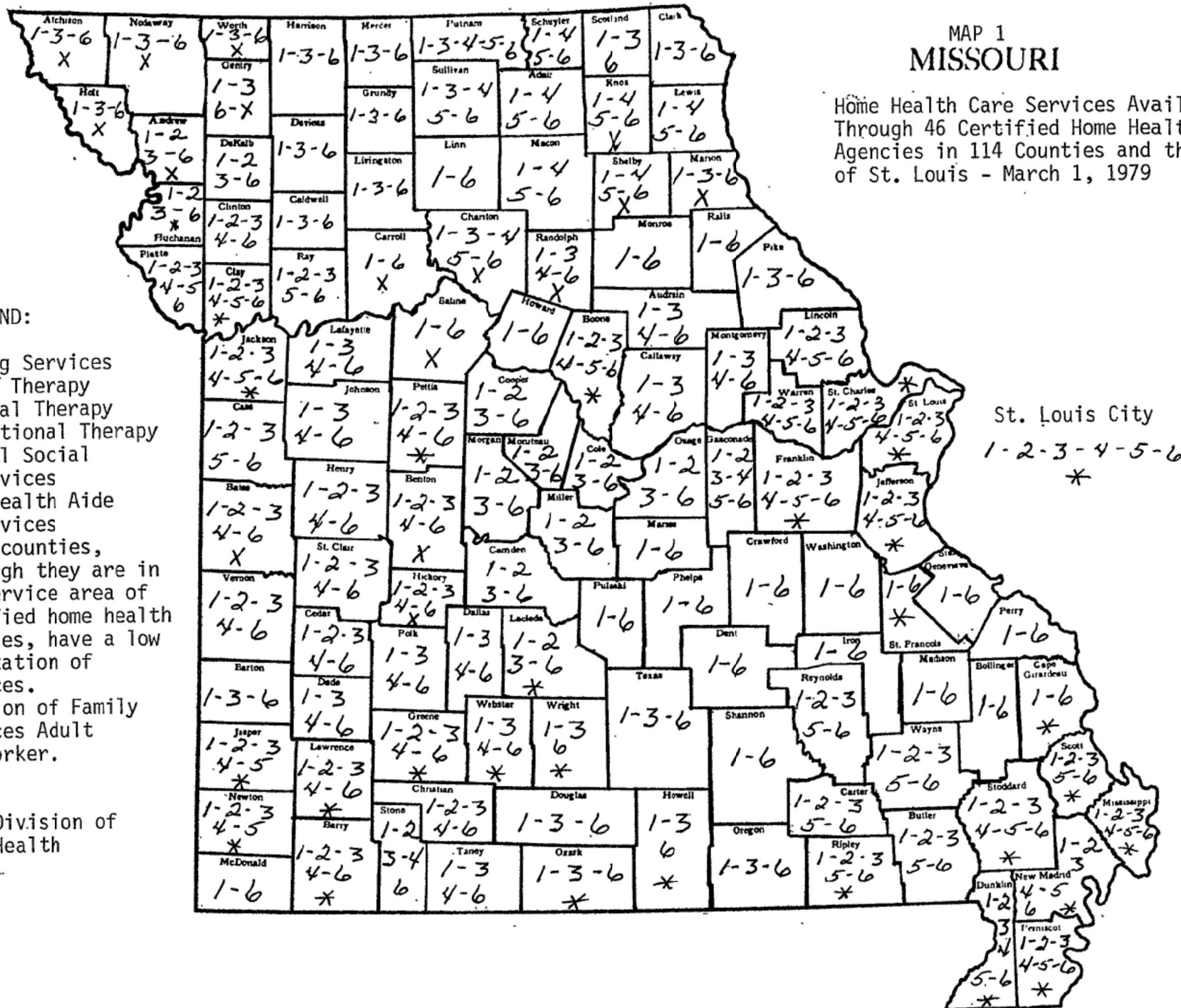
MAP 1 MISSOURI

Home Health Care Services Available
Through 46 Certified Home Health
Agencies in 114 Counties and the City
of St. Louis - March 1, 1979

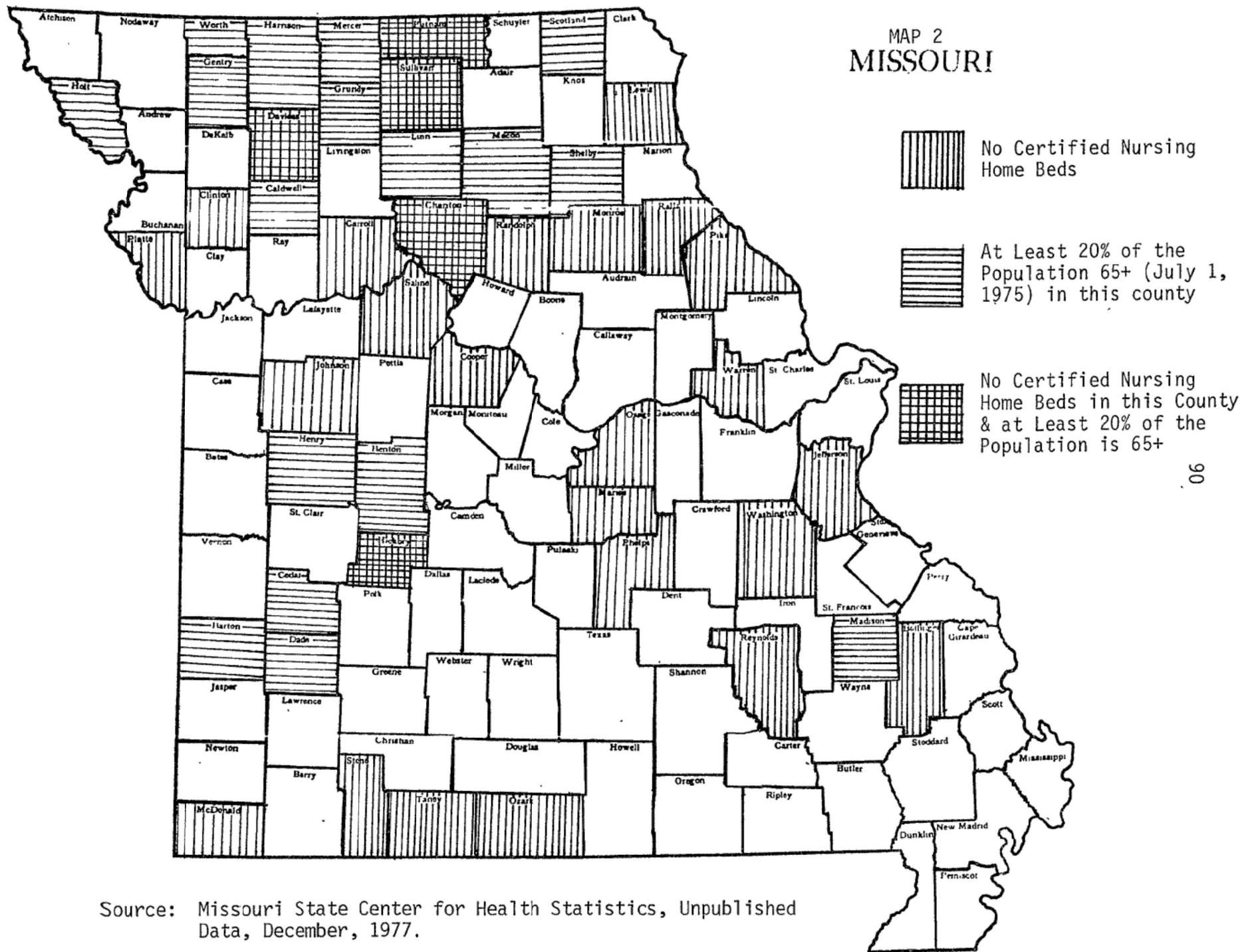
LEGEND:

- 1 - Nursing Services
- 2 - Speech Therapy
- 3 - Physical Therapy
- 4 - Occupational Therapy
- 5 - Medical Social Services
- 6 - Home Health Aide Services
- X - These counties, although they are in the service area of certified home health agencies, have a low utilization of services.
- * - Division of Family Services Adult Caseworker.

Source: Division of Health



Counties Without Medicaid Facilities and Counties with a High Percentage of Aged Residents



DEFINITIONS OF LONG TERM CARE FACILITIES

Nursing homes in Missouri are classified through their licenses as to the level of care they may offer. The State of Missouri presently licenses nursing homes by the following classifications: Professional I; Professional II; Practical; and Domiciliary.

A Professional I nursing home renders care under the direction of a professional registered nurse. The registered nurse provides nursing and treatment methods under the direction of a physician. This type of facility must maintain the highest qualifications for fire, safety, construction, administration, and patient care in the State of Missouri. In such a facility, a registered nurse must be on duty eight hours per day, seven days per week.

Professional II facilities differ only slightly from that of Professional I. Construction, fire, safety, and administration qualifications are virtually alike. The major difference lies, however, in the area of staffing. In a Professional II facility, a professional registered nurse, licensed in Missouri, must be on duty eight hours per day, five days per week.

Practical nursing homes are regulated for construction, fire, safety, and administrative functioning and differ only slightly from Professional I and Professional II facilities in these respects. The major difference between the Practical facility and the Professional facility, again, lies in the area of staffing. A licensed practical nurse, licensed in Missouri, must be on duty at least 8 hours a day, seven days a week, and a R.N. consultant must be employed and available for emergencies by being in the near vicinity of the home 24 hours a day.

Domiciliary homes are equipped to provide personal services to residents who are not in need of nursing care. This type of facility is not considered a nursing home. The domiciliary home furnishes a protected environment of food, shelter, personal services, and 24 hour supervision to residents but is not equipped to admit patients who are confined to their beds or to provide skilled nursing care.

A boarding home is defined as a residence for three or more individuals over the age of 62 not related to the owner of the facility who pay a fee to reside in the facility. Boarding homes for the aged offer food, shelter, laundry, and other incidental personal services. The present boarding home law limits residency and provides that local fire and sanitation ordinances apply.

Participation in the Medicare (Title XVIII of the Social Security Act) and Medicaid (Title XIX of the Social Security Act) programs is voluntary in Missouri. Medicare is a federal and state program which

provides insurance coverage, in limited amounts and for limited time periods, for hospitalization and physician fees. Eligibility requirements are based on age only and cover virtually all citizens over 65. Medicare certified nursing home beds must provide skilled nursing care. Medicaid is a state and federal program which is administered by the states and which provides public assistance for health care. Eligibility requirements are based on financial need. Medicaid certified beds may provide either skilled or intermediate care. The total number of certified beds for Medicare does not necessarily equal the facility's bed capacity.

A skilled nursing home, as defined by Medicare/Medicaid, is a facility offering 24-hour comprehensive nursing care under the supervision of a licensed nurse on all shifts every day of the week. The director must be a registered nurse.

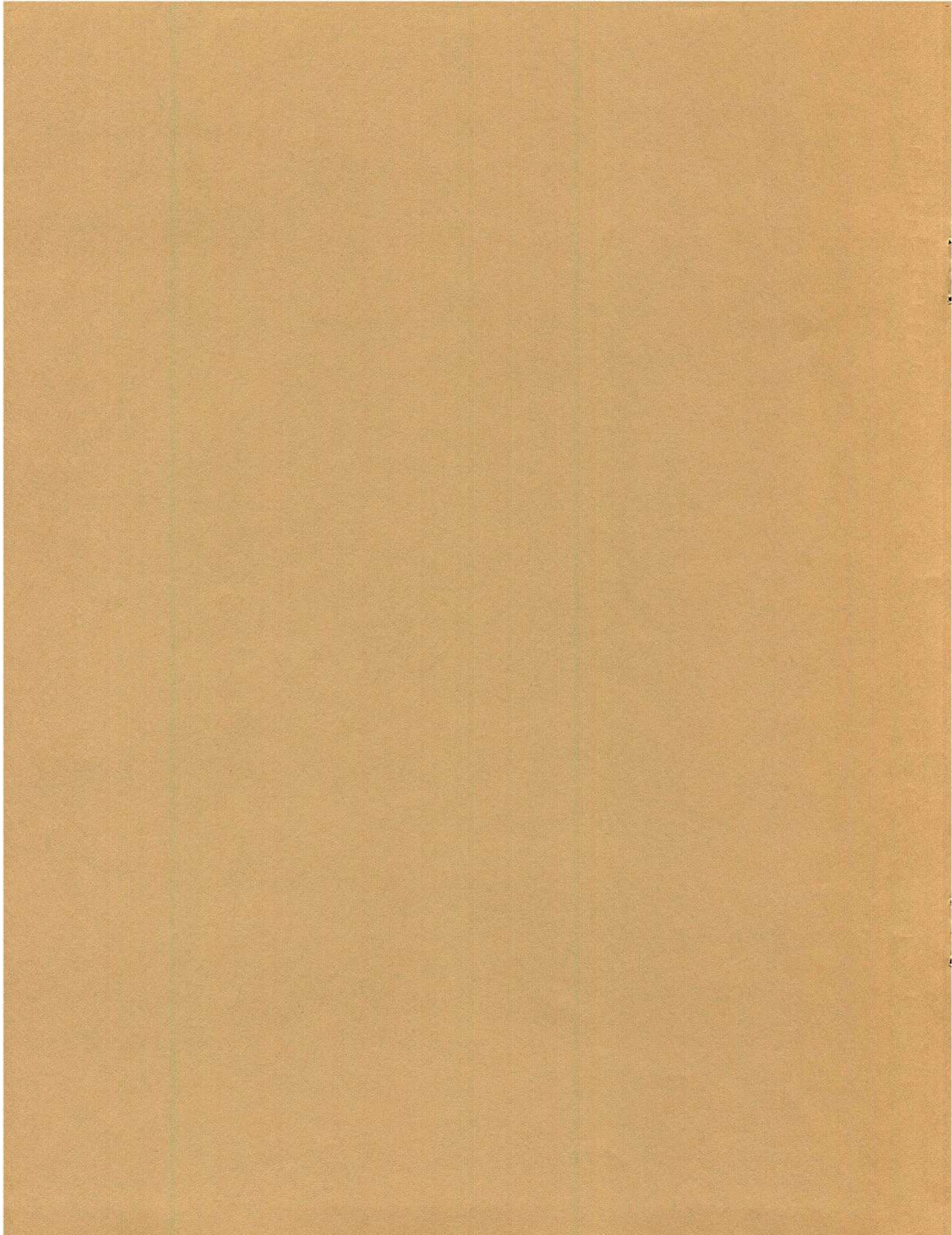
An intermediate care Medicaid certified nursing home is a facility providing some form of personal care and the nursing services of a registered nurse and/or licensed practical nurse a minimum of 56 hours per week (8 hours per day, 7 days per week). A registered nurse must be available for consultation a minimum of four hours a week if the nursing home director is a LPN and not a RN.

Facilities presently licensed as Professional I nursing homes by the State of Missouri normally can qualify as skilled care nursing homes under the Medicare/Medicaid programs.

Professional II and Practical nursing homes as licensed by the State of Missouri essentially meet the requirements of the intermediate care nursing home as defined under the Medicaid reimbursement program.

Domiciliary and Boarding Homes are not qualified to receive Medicare and Medicaid patients.

APPENDIX B



PUBLIC PROCESS
AND
SUMMATION OF COMMENTS

During May and early June, 1979, the public was given the opportunity to comment on the final draft of the Missouri State Health Plan as approved by the Statewide Health Coordinating Council. Consistent with Federal requirements, public notification of the hearing and review process was published in major newspapers throughout the state. In addition to the plan being generally available and publicized through the distribution of fliers (see following), individuals and specific interest groups were personally contacted and input solicited. These included, but were not limited to:

1. the Office of the Governor;
2. numerous officials in the Executive Branch;
3. the leadership and interested state senators and representatives of the General Assembly;
4. the entire Missouri Congressional Delegation;
5. many key state officials;
6. the five Health Systems Agencies and their sub-area councils (to reach local consumers and interested providers);
7. the 20 Regional Planning Commissioners (to reach local elected officials);
8. the Area Agencies on Aging;
9. local Health and Family Services Offices;
10. university and college officials;
11. professional provider associations;
12. the five Professional Standard Review Organizations;
13. the 18 Community Action Agencies (to reach the less affluent and minorities); and
14. voluntary health associations.

All of the above, as well as the general public, were specifically encouraged to respond verbally and in writing to specific issues and concerns raised in the plan. Finally, on May 18, 1979, a public hearing

was held which offered a formal setting for testimony relative to the plan. Comments received as a result of this step and the informal input were reviewed by the Statewide Health Coordinating Council and, where deemed beneficial to the overall scope and direction of the plan, were included in the plan which was finally approved on June 15, 1979.

Plan sections which received a majority of the comments included: school health education, environmental health, family planning services, mental health services, acute inpatient services, and maintenance services.

These comments represented a diverse spectrum of opinion on issues such as abortion, nuclear energy, sex education in schools, and society's role in the care of the aged and the mentally ill.

WE WANT TO KNOW WHAT YOU THINK ABOUT THE 1979 STATE HEALTH PLAN

AT THE PUBLIC HEARING OR IN WRITING DURING THE MONTH OF MAY.
THE PUBLIC HEARING WILL BE HELD MAY 18, 1979 AT 1:00 P.M. IN
THE HOUSE LOUNGE, MISSOURI STATE CAPITOL, JEFFERSON CITY, MO.

THE STATE HEALTH PLAN IS THE PRODUCT OF THE EFFORTS OF THE
STATEWIDE HEALTH COORDINATING COUNCIL. THIS 42 MEMBER VOL-
UNTEER GROUP HAS ADDRESSED MANY HEALTH ISSUES IN THIS PLAN,
AMONG THEM:

- *Health Status of Missouri's Population*
- *Health Education*
- *Environmental Health*
- *Immunization*
- *Well Person Maintenance*
- *Maternal and Infant Health*
- *Surgical Services*
- *Diagnostic and Therapeutic Radiology*
- *Emergency Medical Services*
- *Primary Care*
- *Mental Health Services*
- *End-Stage Renal Disease*
- *Acute Inpatient Care*
- *Habilitation/Rehabilitation Services*
- *Home Health Care*
- *Long-Term Institutional Care*

GOALS IN HEALTH PLANNING:

1. To improve the health of the residents;
2. To improve the accessibility, acceptability, continuity, and quality of care;
3. To restrain increases in cost; and
4. To prevent unnecessary duplication of services.

COPIES OF THE PLAN WILL BE AVAILABLE FOR PUBLIC INSPECTION AT
THE FOLLOWING LOCATIONS:

Mid-America Health Systems Agency
20 West 9th Street
Kansas City, Missouri 64105

Area II Health Systems Agency
1326 S. Morley
Moberly, Missouri 65270

Greater St. Louis Health Systems Agency
915 Olive Street
St. Louis, Missouri 63101

Area V Health Systems Agency
211 S. Broadway
Poplar Bluff, Missouri 63901

Southwest Missouri Health Systems
Agency
2835-B East Division
Springfield, Missouri 65803

State Health Planning and
Development Agency
Broadway Building, 2nd Floor
Jefferson City, Missouri 65103

OR WRITE THE STATE HEALTH PLANNING AND DEVELOPMENT AGENCY AND
YOU WILL BE SENT A COPY OF THE PLAN.

Written comments on the Plan will be welcomed prior to June 1, 1979 sent to
the State Health Planning and Development Agency.

IT IS REQUESTED THAT THOSE PARTIES WISHING TO TESTIFY AT THE
PUBLIC HEARING ADVISE THE STATE HEALTH PLANNING AND DEVELOP-
MENT AGENCY OF THEIR INTENT TO DO SO NO LATER THAN MAY 15,
1979, AND PROVIDE AT THE HEARING A WRITTEN COPY OF THEIR TES-
TIMONY.

